

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 / Search time 21.6711 Seconds

(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-2

Perfect score: 40

Sequence: 1 LDMSWL 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Listing first 45 summaries

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/BCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40	100.0	6	9 US-09-847-940B-2	Sequence 2, Appl1
2	40	100.0	6	10 US-09-847-946A-2	Sequence 2, Appl1
3	40	100.0	6	10 US-09-847-946A-33	Sequence 33, Appl1
4	40	100.0	7	10 US-09-847-946A-37	Sequence 37, Appl1
5	40	100.0	8	10 US-09-847-946A-30	Sequence 30, Appl1
6	40	100.0	8	10 US-09-847-946A-38	Sequence 38, Appl1
7	40	100.0	9	10 US-09-847-946A-29	Sequence 29, Appl1
8	40	100.0	9	10 US-09-847-946A-32	Sequence 32, Appl1
9	40	100.0	9	10 US-09-847-946A-35	Sequence 35, Appl1
10	40	100.0	9	10 US-09-847-946A-36	Sequence 36, Appl1
11	40	100.0	10	10 US-09-847-946A-31	Sequence 31, Appl1
12	40	100.0	10	10 US-09-847-946A-34	Sequence 34, Appl1
13	40	100.0	11	10 US-09-847-946A-28	Sequence 28, Appl1
14	40	100.0	11	10 US-09-847-946A-132	Sequence 132, App
15	40	100.0	11	10 US-09-847-946A-140	Sequence 140, App

16	40	100.0	13	10 US-09-847-946A-143	Sequence 143, App
17	40	100.0	13	10 US-09-847-946A-144	Sequence 144, App
18	40	100.0	13	10 US-09-847-946A-145	Sequence 145, App
19	40	100.0	13	10 US-09-847-946A-148	Sequence 148, App
20	40	100.0	17	10 US-09-847-946A-141	Sequence 141, App
21	40	100.0	17	10 US-09-847-946A-142	Sequence 142, App
22	40	100.0	17	10 US-09-847-946A-146	Sequence 146, App
23	40	100.0	17	10 US-09-847-946A-147	Sequence 147, App
24	40	100.0	18	10 US-09-847-946A-131	Sequence 131, App
25	40	100.0	18	10 US-09-847-946A-135	Sequence 135, App
26	40	100.0	18	10 US-09-847-946A-136	Sequence 136, App
27	40	100.0	22	10 US-09-847-946A-133	Sequence 133, App
28	40	100.0	22	10 US-09-847-946A-134	Sequence 134, App
29	40	100.0	22	10 US-09-847-946A-137	Sequence 137, App
30	40	100.0	22	10 US-09-847-946A-138	Sequence 138, App
31	40	100.0	22	10 US-09-847-946A-139	Sequence 139, App
32	40	100.0	28	9 US-09-847-940B-18	Sequence 18, Appl1
33	40	100.0	28	10 US-09-847-946A-118	Sequence 118, Appl1
34	40	100.0	222	9 US-09-771-161A-141	Sequence 141, App
35	40	100.0	745	9 US-09-796-872-2	Sequence 2, Appl1
36	40	100.0	745	9 US-09-844-908-10	Sequence 10, Appl1
37	40	100.0	745	9 US-09-844-908-10	Sequence 10, Appl1
38	40	100.0	745	14 US-10-243-408-4	Sequence 4, Appl1
39	40	100.0	745	14 US-10-059-585-35	Sequence 35, Appl1
40	40	100.0	745	14 US-10-338-462-10	Sequence 10, Appl1
41	40	100.0	745	15 US-10-408-636-3	Sequence 3, Appl1
42	40	100.0	745	15 US-10-394-322A-32	Sequence 32, Appl1
43	40	100.0	756	9 US-09-796-872-15	Sequence 15, Appl1
44	40	100.0	756	9 US-09-771-161A-232	Sequence 232, App
45	40	100.0	756	9 US-09-844-908-9	Sequence 9, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-2  
; Sequence 2, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-2

Query Match 100.0%; Score 40; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
CY 1 LDMSWL 6  
DB 1 LDMSWL 6

RESULT 2  
US-09-847-946A-2  
; Sequence 2, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-2
```

```

Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDMSWL 6
        |||||
DB      1 LDMSWL 6
```

```

RESULT 3
US-09-847-946A-33
; Sequence 33, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-33
```

```

Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDMSWL 6
        |||||
DB      1 LDMSWL 6
```

```

RESULT 4
US-09-847-946A-37
; Sequence 37, Application US/09847946A
; Publication No. US20030054999A1
```

```

; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-37
```

```

Query Match          100.0%; Score 40; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDMSWL 6
        |||||
DB      1 LDMSWL 6
```

```

RESULT 5
US-09-847-946A-30
; Sequence 30, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-30
```

```

Query Match          100.0%; Score 40; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDMSWL 6
        |||||
DB      3 LDMSWL 8
```

```

RESULT 6
```

US-09-847-946A-38  
; Sequence 38, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 38  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-38

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSWL 6  
Db 1 LDMSWL 6

RESULT 7  
US-09-847-946A-29  
; Sequence 29, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 29  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-29

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSWL 6  
Db 1 LDMSWL 6

RESULT 8  
US-09-847-946A-32  
; Sequence 32, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 32  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-32

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSWL 6  
Db 1 LDMSWL 6

RESULT 9  
US-09-847-946A-35  
; Sequence 35, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 35  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-35

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LDMSWL 6  
|||  
Db 3 LDMSWL 8

## RESULT 10

US-09-847-946A-36  
; Sequence 36, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 36  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-36

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LDMSWL 6  
|||  
Db 2 LDMSWL 7

## RESULT 11

US-09-847-946A-31  
; Sequence 31, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 31  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-31

Query Match 100.0%; Score 40; DB 10; Length 10;

Best Local Similarity 100.0%; Pred. No. 25;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 LDMSWL 6  
|||  
Db 2 LDMSWL 7

## RESULT 12

US-09-847-946A-34  
; Sequence 34, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 34  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-34

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 25;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LDMSWL 6  
|||  
Db 3 LDMSWL 8

## RESULT 13

US-09-847-946A-28  
; Sequence 28, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 28  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-28

US-09-847-946A-28

Query Match 100.0%; Score 40; DB 10; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 27;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWL 6  
 |||||  
 DB 3 LDMSWL 8

RESULT 14

US-09-847-946A-132  
 ; Sequence 132, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PEI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; PRIOR FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 132  
 ; LENGTH: 11  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial  
 ; OTHER INFORMATION: Sequence:anti-inflammatory compound  
 US-09-847-946A-132

Query Match 100.0%; Score 40; DB 10; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 27;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWL 6  
 |||||  
 DB 3 LDMSWL 8

RESULT 15

US-09-847-946A-140  
 ; Sequence 140, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PEI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; PRIOR FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 140  
 ; LENGTH: 11  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence

FEATURE:  
 ; OTHER INFORMATION: Description of Artificial  
 ; OTHER INFORMATION: Sequence:anti-inflammatory compound  
 US-09-847-946A-140

Query Match 100.0%; Score 40; DB 10; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 27;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWL 6  
 |||||  
 DB 3 LDMSWL 8

Search completed: March 17, 2004, 18:45:23  
 Job time : 31.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds

(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-3

Perfect score: 26

Sequence: 1 LDASAL 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	100.0	6	9	US-09-847-940B-3
2	26	100.0	6	10	US-09-847-946A-3
3	26	100.0	28	9	US-09-847-940B-19
4	26	100.0	28	10	US-09-847-946A-19
5	26	100.0	75	12	US-10-424-599-217924
6	26	100.0	191	14	US-10-156-761-8434
7	26	100.0	191	14	US-10-156-761-1332
8	26	100.0	191	14	US-10-156-761-1333
9	26	100.0	191	14	US-10-156-761-1333
10	26	100.0	240	9	US-09-738-626-4338
11	26	100.0	318	12	US-10-425-114-68842
12	26	100.0	374	15	US-10-104-047-3578
13	26	100.0	550	12	US-10-282-122A-62833
14	26	100.0	550	12	US-10-282-122A-64523
15	26	100.0	552	12	US-10-282-122A-67705

16	26	100.0	600	10	US-09-746-660A-106	Sequence 106, App
17	26	100.0	638	9	US-09-983-204-18	Sequence 18, Appl
18	26	100.0	638	13	US-10-133-157-8	Sequence 8, Appl
19	26	100.0	659	9	US-09-738-626-6815	Sequence 6815, Ap
20	26	100.0	704	15	US-10-104-047-3501	Sequence 3501, Ap
21	26	100.0	745	9	US-09-919-835-2	Sequence 2, Appl
22	26	100.0	745	9	US-09-738-626-4761	Sequence 4761, Ap
23	26	100.0	745	10	US-09-746-660A-104	Sequence 104, App
24	26	100.0	747	12	US-10-425-114-70963	Sequence 70963, A
25	26	100.0	894	12	US-10-282-122A-77188	Sequence 77188, A
26	26	100.0	1006	15	US-10-369-493-22729	Sequence 22729, A
27	24	92.3	14	13	US-10-038-612-107	Sequence 107, App
28	24	92.3	20	13	US-10-038-612-35	Sequence 35, Appl
29	24	92.3	21	13	US-10-038-612-106	Sequence 106, App
30	24	92.3	40	14	US-10-044-967-18	Sequence 18, Appl
31	24	92.3	93	12	US-10-424-599-244080	Sequence 244080,
32	24	92.3	157	14	US-10-080-170-565	Sequence 565, App
33	24	92.3	191	14	US-10-156-761-11481	Sequence 11481, A
34	24	92.3	259	15	US-10-369-493-9612	Sequence 9612, Ap
35	24	92.3	294	15	US-10-334-143-181	Sequence 181, App
36	24	92.3	298	9	US-09-771-161A-187	Sequence 187, App
37	24	92.3	298	14	US-10-174-794-13	Sequence 13, Appl
38	24	92.3	298	14	US-10-295-681-27	Sequence 27, Appl
39	24	92.3	298	14	US-10-295-681-29	Sequence 29, Appl
40	24	92.3	298	14	US-10-295-681-31	Sequence 31, Appl
41	24	92.3	298	14	US-10-295-681-43	Sequence 43, Appl
42	24	92.3	298	15	US-10-394-322A-7	Sequence 7, Appl
43	24	92.3	304	9	US-09-976-059-3	Sequence 3, Appl
44	24	92.3	346	14	US-10-295-681-33	Sequence 33, Appl
45	24	92.3	346	14	US-10-295-681-45	Sequence 45, Appl

## ALIGNMENTS

RESULT 1  
US-09-847-940B-3  
Sequence 3, Appl1  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-117CP  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO. 3  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-3

Query Match 100.0%; Score 26; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.56+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASAL 6  
DB 1 LDASAL 6

RESULT 2  
US-09-847-946A-3  
Sequence 3, Appl1  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Pindels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hennig, Gernhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PRI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-3

```

```

Query Match          100.0%; Score 26; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 LDASAL 6
        |||||
Db      1 LDASAL 6

```

```

RESULT 3
US-09-847-940B-19
; Sequence 19, Application US/09847940B
; Patent No. US2002015600A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J.
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PRI-117CP
; CURRENT APPLICATION NUMBER: US/09/847,940B
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptides
US-09-847-940B-19

```

```

Query Match          100.0%; Score 26; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 LDASAL 6
        |||||
Db      20 LDASAL 25

```

```

RESULT 4
US-09-847-946A-19
; Sequence 19, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Pindels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hennig, Gernhard

```

```

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PRI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-19

```

```

Query Match          100.0%; Score 26; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 LDASAL 6
        |||||
Db      20 LDASAL 25

```

```

RESULT 5
US-10-424-599-217924
; Sequence 217924, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovacic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; PRIOR FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 217924
; LENGTH: 75
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_38812C.1.pcp
US-10-424-599-217924

```

```

Query Match          100.0%; Score 26; DB 12; Length 75;
Best Local Similarity 100.0%; Pred. No. 76;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 LDASAL 6
        |||||
Db      18 LDASAL 23

```

```

RESULT 6
US-10-156-761-8434
; Sequence 8434, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMTA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262

```

```

; CURRENT APPLICATION NUMBER: US/10/156,761
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 8434
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-8434
```

```

Query Match          100.0%; Score 26; DB 14; Length 191;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASAL 6
        |||||
        41 LDASAL 46
```

```

RESULT 7
US-10-156-761-13332
; Sequence 13332, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 13332
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-13332
```

```

Query Match          100.0%; Score 26; DB 14; Length 191;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASAL 6
        |||||
        41 LDASAL 46
```

```

RESULT 8
US-10-156-761-13333
; Sequence 13333, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
```

```

; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 13333
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-13333
```

```

Query Match          100.0%; Score 26; DB 14; Length 191;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASAL 6
        |||||
        41 LDASAL 46
```

```

RESULT 9
US-10-156-761-14915
; Sequence 14915, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 14915
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-14915
```

```

Query Match          100.0%; Score 26; DB 14; Length 191;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASAL 6
        |||||
        41 LDASAL 46
```

```

RESULT 10
US-09-738-626-4338
; Sequence 4338, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIRO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHITO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
```



```
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738, 626
CURRENT FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: JP 99/377484
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: JP 00/280988
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 4338
LENGTH: 240
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-738-626-4338

Query Match
Best Local Similarity 100.0%; Score 26; DB 9; Length 240;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDASAL 6
Db 70 LDASAL 75

RESULT 11
US-10-425-114-68842
Sequence 68842, Application US/10425114
Publication No. US2004003488A1
GENERAL INFORMATION:
APPLICANT: Liu, Jindong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E.
APPLICANT: Tabaka, Jack E.
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 68842
LENGTH: 318
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: UC-ZMFLMO1739808_Flt.pap
US-10-425-114-68842

Query Match
Best Local Similarity 100.0%; Score 26; DB 12; Length 318;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDASAL 6
Db 193 LDASAL 198

RESULT 12
US-10-104-047-3578
Sequence 3578, Application US/10104047
Publication No. US20030236392A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20030236392A1 full length cDNA
FILE REFERENCE: H1-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE:
NUMBER OF SEQ ID NOS: 4096
```

```
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 3578
LENGTH: 374
TYPE: PRT
ORGANISM: Homo sapiens
US-10-104-047-3578

Query Match
Best Local Similarity 100.0%; Score 26; DB 15; Length 374;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDASAL 6
Db 287 LDASAL 292

RESULT 13
US-10-282-122A-62833
Sequence 62833, Application US/10282122A
Publication No. US20040029129A1
GENERAL INFORMATION:
APPLICANT: Wang, Liangsu
APPLICANT: Zamudio, Carlos
APPLICANT: Malone, Cheryl
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl
APPLICANT: Zykkind, Judith
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John
APPLICANT: Carr, Grant
APPLICANT: Yamamoto, Robert
APPLICANT: Forsyth, R.
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
FILE REFERENCE: EUTRA.034A
CURRENT APPLICATION NUMBER: US/10/282,122A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/230,335
PRIOR FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: 60/230,347
PRIOR FILING DATE: 2000-09-09
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/267,636
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 78614
SOFTWARE: PatentIn version 3.1
SEQ ID NO 62833
LENGTH: 550
TYPE: PRT
ORGANISM: Mycobacterium bovis
US-10-282-122A-62833

Query Match
Best Local Similarity 100.0%; Score 26; DB 12; Length 550;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDASAL 6
Db 23 LDASAL 28
```

```
RESULT 14
US-10-282-122A-64523
; Sequence 64523, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangau
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 64523
; LENGTH: 550
; TYPE: PRF
; ORGANISM: Mycobacterium tuberculosis
US-10-282-122A-64523

Query Match      100.0%; Score 26; DB 12; Length 550;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASAL 6
Db      23 LDASAL 28

RESULT 15
US-10-282-122A-67705
; Sequence 67705, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangau
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
```

```
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Foreyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 67705
; LENGTH: 552
; TYPE: PRF
; ORGANISM: Pseudomonas putida
US-10-282-122A-67705

Query Match      100.0%; Score 26; DB 12; Length 552;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDASAL 6
Db      320 LDASAL 325
```

Search completed: March 17, 2004, 18:45:24  
Job time : 22.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds

(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-4

Perfect score: 40

Sequence: 1 ADMSWL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :  
1: /cgnt2\_6/ptodata/1/pubppaa/US07\_PUBCOMB.pep:\*  
2: /cgnt2\_6/ptodata/1/pubppaa/PCT\_NEW\_PUB.pep:\*  
3: /cgnt2\_6/ptodata/1/pubppaa/US06\_NEW\_PUB.pep:\*  
4: /cgnt2\_6/ptodata/1/pubppaa/US06\_PUBCOMB.pep:\*  
5: /cgnt2\_6/ptodata/1/pubppaa/US07\_NEW\_PUB.pep:\*  
6: /cgnt2\_6/ptodata/1/pubppaa/PCTUS\_PUBCOMB.pep:\*  
7: /cgnt2\_6/ptodata/1/pubppaa/US08\_NEW\_PUB.pep:\*  
8: /cgnt2\_6/ptodata/1/pubppaa/US08\_PUBCOMB.pep:\*  
9: /cgnt2\_6/ptodata/1/pubppaa/US09\_PUBCOMB.pep:\*  
10: /cgnt2\_6/ptodata/1/pubppaa/US09\_PUBCOMB.pep:\*  
11: /cgnt2\_6/ptodata/1/pubppaa/US09C\_PUBCOMB.pep:\*  
12: /cgnt2\_6/ptodata/1/pubppaa/US09\_NEW\_PUB.pep:\*  
13: /cgnt2\_6/ptodata/1/pubppaa/US10A\_PUBCOMB.pep:\*  
14: /cgnt2\_6/ptodata/1/pubppaa/US10B\_PUBCOMB.pep:\*  
15: /cgnt2\_6/ptodata/1/pubppaa/US10C\_PUBCOMB.pep:\*  
16: /cgnt2\_6/ptodata/1/pubppaa/US10\_NEW\_PUB.pep:\*  
17: /cgnt2\_6/ptodata/1/pubppaa/US60\_NEW\_PUB.pep:\*  
18: /cgnt2\_6/ptodata/1/pubppaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40	100.0	6	9	US-09-847-940B-4
2	40	100.0	6	10	US-09-847-946A-4
3	40	100.0	6	10	US-09-847-946A-39
4	40	100.0	6	10	US-09-847-946A-51
5	40	100.0	6	10	US-09-847-946A-55
6	40	100.0	6	10	US-09-847-946A-48
7	40	100.0	6	10	US-09-847-946A-56
8	40	100.0	6	10	US-09-847-946A-47
9	40	100.0	6	10	US-09-847-946A-50
10	40	100.0	6	10	US-09-847-946A-53
11	40	100.0	6	10	US-09-847-946A-49
12	40	100.0	6	10	US-09-847-946A-52
13	40	100.0	6	10	US-09-847-946A-46
14	40	100.0	6	10	US-10-171-311-234
15	40	100.0	501	14	US-10-171-311-234

16	38	95.0	312	14	US-10-306-762-23	Sequence 23, Appl
17	38	95.0	605	14	US-10-156-761-9070	Sequence 9070, Ap
18	36	90.0	6	9	US-09-847-940B-2	Sequence 2, Appl1
19	36	90.0	6	10	US-09-847-946A-2	Sequence 2, Appl1
20	36	90.0	6	10	US-09-847-946A-33	Sequence 33, Appl
21	36	90.0	6	10	US-09-847-946A-41	Sequence 41, Appl
22	36	90.0	6	10	US-09-847-946A-73	Sequence 73, Appl
23	36	90.0	7	10	US-09-847-946A-37	Sequence 37, Appl
24	36	90.0	7	10	US-09-847-946A-77	Sequence 77, Appl
25	36	90.0	8	10	US-09-847-946A-30	Sequence 30, Appl
26	36	90.0	8	10	US-09-847-946A-38	Sequence 38, Appl
27	36	90.0	8	10	US-09-847-946A-70	Sequence 70, Appl
28	36	90.0	8	10	US-09-847-946A-78	Sequence 78, Appl
29	36	90.0	9	10	US-09-847-946A-29	Sequence 29, Appl
30	36	90.0	9	10	US-09-847-946A-32	Sequence 32, Appl
31	36	90.0	9	10	US-09-847-946A-35	Sequence 35, Appl
32	36	90.0	9	10	US-09-847-946A-36	Sequence 36, Appl
33	36	90.0	9	10	US-09-847-946A-69	Sequence 69, Appl
34	36	90.0	9	10	US-09-847-946A-72	Sequence 72, Appl
35	36	90.0	9	10	US-09-847-946A-75	Sequence 75, Appl
36	36	90.0	9	10	US-09-847-946A-76	Sequence 76, Appl
37	36	90.0	10	10	US-09-847-946A-31	Sequence 31, Appl
38	36	90.0	10	10	US-09-847-946A-34	Sequence 34, Appl
39	36	90.0	10	10	US-09-847-946A-71	Sequence 71, Appl
40	36	90.0	10	10	US-09-847-946A-74	Sequence 74, Appl
41	36	90.0	11	10	US-09-847-946A-28	Sequence 28, Appl
42	36	90.0	11	10	US-09-847-946A-68	Sequence 68, Appl
43	36	90.0	11	10	US-09-847-946A-132	Sequence 132, App
44	36	90.0	11	10	US-09-847-946A-140	Sequence 140, App
45	36	90.0	13	10	US-09-847-946A-143	Sequence 143, App

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-4  
; Sequence 4, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847, 940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643, 260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-4

Query Match 100.0%; Score 40; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
DB 1 ADMSWL 6  
1 ADMSWL 6  
RESULT 2  
US-09-847-946A-4  
; Sequence 4, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-4
```

```

Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 ADMSWL 6
        |||||
Db      1 ADMSWL 6
```

```

RESULT 3
US-09-847-946A-39
; Sequence 39, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 39
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-39
```

```

Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 ADMSWL 6
        |||||
Db      1 ADMSWL 6
```

```

RESULT 4
US-09-847-946A-51
; Sequence 51, Application US/09847946A
; Publication No. US20030054999A1
```

```

; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 51
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-51
```

```

Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 ADMSWL 6
        |||||
Db      1 ADMSWL 6
```

```

RESULT 5
US-09-847-946A-55
; Sequence 55, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-55
```

```

Query Match          100.0%; Score 40; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 ADMSWL 6
        |||||
Db      1 ADMSWL 6
```

```

RESULT 6
```

US-09-847-946A-48

; Sequence 48, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findels, Mark A

; APPLICANT: Phillips, Kathryn

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; PRIOR FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 48

; LENGTH: 8

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-48

Query Match

100.0%; Score 40; DB 10; Length 8;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWL 6

Db 3 ADMSWL 8

RESULT 7

US-09-847-946A-56

; Sequence 56, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findels, Mark A

; APPLICANT: Phillips, Kathryn

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; PRIOR FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 56

; LENGTH: 8

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-56

Query Match 100.0%; Score 40; DB 10; Length 8;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWL 6

Db 1 ADMSWL 6

RESULT 8

US-09-847-946A-47

; Sequence 47, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findels, Mark A

; APPLICANT: Phillips, Kathryn

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; PRIOR FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 47

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-47

Query Match

100.0%; Score 40; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWL 6

Db 1 ADMSWL 6

RESULT 9

US-09-847-946A-50

; Sequence 50, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findels, Mark A

; APPLICANT: Phillips, Kathryn

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; PRIOR FILING DATE: 2001-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 09/643,260

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 50

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-50

Query Match 100.0%; Score 40; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ADMSWL 6  
|||  
Db 1 ADMSWL 6

## RESULT 10

US-09-847-946A-53  
; Sequence 53, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 53  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-53

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Indels 0; Gaps 0;  
Oy 1 ADMSWL 6  
|||  
Db 3 ADMSWL 8

## RESULT 11

US-09-847-946A-54  
; Sequence 54, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 54  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-54

Query Match 100.0%; Score 40; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 ADMSWL 6  
|||  
Db 2 ADMSWL 7

## RESULT 12

US-09-847-946A-49  
; Sequence 49, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 49  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-49

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 21;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 ADMSWL 6  
|||  
Db 2 ADMSWL 7

## RESULT 13

US-09-847-946A-52  
; Sequence 52, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: Patentln Ver. 2.0  
; SEQ ID NO 52  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; OTHER INFORMATION: sequence

US-09-847-946A-52

Query Match 100.0%; Score 40; DB 10; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 21;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWL 6  
 |||||  
 Db 3 ADMSWL 8

RESULT 14

US-09-847-946A-46  
 ; Sequence 46, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Choah, Sankar  
 ; APPLICANT: Rindels, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PPI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 46  
 ; LENGTH: 11  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
 ; OTHER INFORMATION: sequence  
 US-09-847-946A-46

Query Match 100.0%; Score 40; DB 10; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 22;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWL 6  
 |||||  
 Db 3 ADMSWL 8

RESULT 15

US-10-171-311-234  
 ; Sequence 234, Application US/10171311  
 ; Publication No. US2003008270A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Schlegel, Robert  
 ; APPLICANT: Chen, Yan  
 ; APPLICANT: Zhao, Xumei  
 ; APPLICANT: Monahan, John  
 ; APPLICANT: Kamackar, Shubhangi  
 ; APPLICANT: Glatz, Karen  
 ; APPLICANT: Ganavarapu, Manjula  
 ; APPLICANT: Hoerth, Sebastian  
 ; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
 ; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
 ; FILE REFERENCE: MRI-035  
 ; CURRENT APPLICATION NUMBER: US/10/171,311  
 ; CURRENT FILING DATE: 2002-06-12  
 ; PRIOR APPLICATION NUMBER: US 60/298,159  
 ; PRIOR FILING DATE: 2001-06-13  
 ; PRIOR APPLICATION NUMBER: US 60/298,155  
 ; PRIOR FILING DATE: 2001-06-13  
 ; PRIOR APPLICATION NUMBER: US 60/335,936

; PRIOR FILING DATE: 2001-11-14  
 ; NUMBER OF SEQ ID NOS: 238  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 234  
 ; LENGTH: 501  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-171-311-234

Query Match 100.0%; Score 40; DB 14; Length 501;  
 Best Local Similarity 100.0%; Pred. No. 4,2e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWL 6  
 |||||  
 Db 387 ADMSWL 392

Search completed: March 17, 2004, 18:45:24  
 Job time : 21.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds

(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-5

Perfect score: 1 LDMSWA 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

1: /cgcn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*  
2: /cgcn2\_6/ptodata/1/pubpaa/PC7\_NEW\_PUB.pep:\*  
3: /cgcn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*  
4: /cgcn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*  
5: /cgcn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*  
6: /cgcn2\_6/ptodata/1/pubpaa/PC7\_PUBCOMB.pep:\*  
7: /cgcn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*  
8: /cgcn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*  
9: /cgcn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*  
10: /cgcn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*  
11: /cgcn2\_6/ptodata/1/pubpaa/US09C\_NEW\_PUB.pep:\*  
12: /cgcn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*  
13: /cgcn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*  
14: /cgcn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*  
15: /cgcn2\_6/ptodata/1/pubpaa/US10C\_NEW\_PUB.pep:\*  
16: /cgcn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*  
17: /cgcn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*  
18: /cgcn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	40	100.0	6 9 US-09-847-940B-5	Sequence 5, Appl1
2	40	100.0	6 10 US-09-847-946A-5	Sequence 5, Appl1
3	40	100.0	6 10 US-09-847-946A-40	Sequence 40, Appl1
4	40	100.0	6 10 US-09-847-946A-62	Sequence 62, Appl1
5	40	100.0	7 10 US-09-847-946A-66	Sequence 66, Appl1
6	40	100.0	8 10 US-09-847-946A-59	Sequence 59, Appl1
7	40	100.0	8 10 US-09-847-946A-67	Sequence 67, Appl1
8	40	100.0	9 10 US-09-847-946A-58	Sequence 58, Appl1
9	40	100.0	9 10 US-09-847-946A-61	Sequence 61, Appl1
10	40	100.0	9 10 US-09-847-946A-64	Sequence 64, Appl1
11	40	100.0	9 10 US-09-847-946A-65	Sequence 65, Appl1
12	40	100.0	10 10 US-09-847-946A-57	Sequence 57, Appl1
13	40	100.0	10 10 US-09-847-946A-60	Sequence 60, Appl1
14	40	100.0	10 10 US-09-847-946A-63	Sequence 63, Appl1
15	36	90.0	6 9 US-09-847-940B-2	Sequence 2, Appl1

16	36	90.0	6 10 US-09-847-946A-2	Sequence 2, Appl1
17	36	90.0	6 10 US-09-847-946A-33	Sequence 33, Appl1
18	36	90.0	6 10 US-09-847-946A-41	Sequence 41, Appl1
19	36	90.0	6 10 US-09-847-946A-73	Sequence 73, Appl1
20	36	90.0	7 10 US-09-847-946A-37	Sequence 37, Appl1
21	36	90.0	7 10 US-09-847-946A-77	Sequence 77, Appl1
22	36	90.0	8 10 US-09-847-946A-30	Sequence 30, Appl1
23	36	90.0	8 10 US-09-847-946A-38	Sequence 38, Appl1
24	36	90.0	8 10 US-09-847-946A-70	Sequence 70, Appl1
25	36	90.0	8 10 US-09-847-946A-78	Sequence 78, Appl1
26	36	90.0	9 10 US-09-847-946A-29	Sequence 29, Appl1
27	36	90.0	9 10 US-09-847-946A-32	Sequence 32, Appl1
28	36	90.0	9 10 US-09-847-946A-35	Sequence 35, Appl1
29	36	90.0	9 10 US-09-847-946A-36	Sequence 36, Appl1
30	36	90.0	9 10 US-09-847-946A-59	Sequence 59, Appl1
31	36	90.0	9 10 US-09-847-946A-72	Sequence 72, Appl1
32	36	90.0	9 10 US-09-847-946A-75	Sequence 75, Appl1
33	36	90.0	9 10 US-09-847-946A-76	Sequence 76, Appl1
34	36	90.0	10 10 US-09-847-946A-31	Sequence 31, Appl1
35	36	90.0	10 10 US-09-847-946A-74	Sequence 74, Appl1
36	36	90.0	10 10 US-09-847-946A-71	Sequence 71, Appl1
37	36	90.0	10 10 US-09-847-946A-74	Sequence 74, Appl1
38	36	90.0	11 10 US-09-847-946A-28	Sequence 28, Appl1
39	36	90.0	11 10 US-09-847-946A-68	Sequence 68, Appl1
40	36	90.0	11 10 US-09-847-946A-132	Sequence 132, Appl1
41	36	90.0	11 10 US-09-847-946A-140	Sequence 140, Appl1
42	36	90.0	12 10 US-09-847-946A-43	Sequence 43, Appl1
43	36	90.0	13 10 US-09-847-946A-143	Sequence 143, Appl1
44	36	90.0	13 10 US-09-847-946A-144	Sequence 144, Appl1
45	36	90.0	13 10 US-09-847-946A-145	Sequence 145, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-5  
Sequence 5, Application US/09847940B  
Patent No. US2002015600A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-117CP  
CURRENT APPLICATION NUMBER: US/09/847, 940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-5

Query Match 100.0%; Score 40; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWA 6  
|||||  
Db 1 LDMSWA 6

RESULT 2  
US-09-847-946A-5  
Sequence 5, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J



```
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PFI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 5
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-5
```

```
Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 LDWSWA 6
        |||||
Db      1 LDWSWA 6
```

```
RESULT 3
US-09-847-946A-40
Sequence 40, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PFI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 40
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NBD binding
US-09-847-946A-40
```

```
Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 LDWSWA 6
        |||||
Db      1 LDWSWA 6
```

```
RESULT 4
US-09-847-946A-62
Sequence 62, Application US/09847946A
Publication No. US20030054999A1
```

```
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PFI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 62
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NBD binding
US-09-847-946A-62
```

```
Query Match          100.0%; Score 40; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 LDWSWA 6
        |||||
Db      1 LDWSWA 6
```

```
RESULT 5
US-09-847-946A-66
Sequence 66, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PFI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 66
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NBD binding
US-09-847-946A-66
```

```
Query Match          100.0%; Score 40; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY      1 LDWSWA 6
        |||||
Db      1 LDWSWA 6
```

```
RESULT 6
```

US-09-847-946A-59  
Sequence 59, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 59  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NEMO binding  
US-09-847-946A-59

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSWA 6  
Db 3 LDMSWA 8

## RESULT 7

US-09-847-946A-67  
Sequence 67, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 67  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NEMO binding  
US-09-847-946A-67

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSWA 6  
Db 1 LDMSWA 6

RESULT 8  
US-09-847-946A-58  
Sequence 58, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 58  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NEMO binding  
US-09-847-946A-58

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSWA 6  
Db 1 LDMSWA 6

RESULT 9  
US-09-847-946A-61  
Sequence 61, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 61  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NEMO binding  
US-09-847-946A-61

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWA 6  
DB 1 LDMSWA 6

## RESULT 10

US-09-847-946A-64  
Sequence 64, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 64  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-64

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWA 6  
DB 3 LDMSWA 8

## RESULT 11

US-09-847-946A-65  
Sequence 65, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 65  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-65

Query Match 100.0%; Score 40; DB 10; Length 9;

QY 1 LDMSWA 6  
DB 2 LDMSWA 7

## RESULT 12

US-09-847-946A-57  
Sequence 57, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 57  
LENGTH: 10  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-57

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWA 6  
DB 2 LDMSWA 7

## RESULT 13

US-09-847-946A-60  
Sequence 60, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 60  
LENGTH: 10  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-60

US-09-847-946A-60

Query Match 100.0%; Score 40; DB 10; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 17;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWA 6

DB 2 LDMSWA 7

Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 LDMSW 5  
 DB 1 LDMSW 5

Search completed: March 17, 2004, 18:45:24  
 Job time : 21.6711 secs

RESULT 14

US-09-847-946A-63  
 ; Sequence 63, Application US/09847946A  
 ; Publication No. US20030054999A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J  
 ; APPLICANT: Ghosh, Sankar  
 ; APPLICANT: Findeis, Mark A  
 ; APPLICANT: Phillips, Kathryn  
 ; APPLICANT: Hannig, Gerhard  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PRI-119  
 ; CURRENT APPLICATION NUMBER: US/09/847,946A  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 60/201,261  
 ; PRIOR FILING DATE: 2000-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 160  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 63  
 ; LENGTH: 10  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: NEMO binding  
 ; OTHER INFORMATION: sequence  
 ; US-09-847-946A-63

Query Match 100.0%; Score 40; DB 10; Length 10;  
 Best Local Similarity 100.0%; Pred. No. 17;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSWA 6

DB 3 LDMSWA 8

RESULT 15  
 US-09-847-940B-2  
 ; Sequence 2, Application US/09847940B  
 ; Patent No. US2002015600A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: May, Michael J.  
 ; APPLICANT: Ghosh, Sankar  
 ; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
 ; FILE REFERENCE: PRI-117CP  
 ; CURRENT APPLICATION NUMBER: US/09/847,940B  
 ; CURRENT FILING DATE: 2001-05-02  
 ; PRIOR APPLICATION NUMBER: 09/643,260  
 ; PRIOR FILING DATE: 2000-08-22  
 ; NUMBER OF SEQ ID NOS: 27  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 6  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
 ; US-09-847-940B-2

Query Match 90.0%; Score 36; DB 9; Length 6;

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using bw model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-6  
Perfect score: 40  
Sequence: 1 ADMSWA 6

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 25743775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000  
Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA.\*  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	ID	Description
1	40	100.0	6 10 US-09-847-946A-41	Sequence 41, Appl
2	40	100.0	6 10 US-09-847-946A-73	Sequence 73, Appl
3	40	100.0	7 10 US-09-847-946A-77	Sequence 77, Appl
4	40	100.0	8 10 US-09-847-946A-70	Sequence 70, Appl
5	40	100.0	8 10 US-09-847-946A-78	Sequence 78, Appl
6	40	100.0	9 10 US-09-847-946A-69	Sequence 69, Appl
7	40	100.0	9 10 US-09-847-946A-72	Sequence 72, Appl
8	40	100.0	9 10 US-09-847-946A-75	Sequence 75, Appl
9	40	100.0	9 10 US-09-847-946A-76	Sequence 76, Appl
10	40	100.0	10 10 US-09-847-946A-71	Sequence 71, Appl
11	40	100.0	10 10 US-09-847-946A-74	Sequence 74, Appl
12	40	100.0	11 10 US-10-441-626-17	Sequence 68, Appl
13	37	92.5	236 14 US-10-441-626-17	Sequence 17, Appl
14	37	92.5	885 9 US-09-815-242-5090	Sequence 5090, Ap
15	37	92.5	885 12 US-10-282-122A-43572	Sequence 43572, A

16	36	90.0	6 9 US-09-847-940B-4	Sequence 4, Appl1
17	36	90.0	6 9 US-09-847-940B-5	Sequence 5, Appl1
18	36	90.0	6 10 US-09-847-946A-4	Sequence 4, Appl1
19	36	90.0	6 10 US-09-847-946A-5	Sequence 5, Appl1
20	36	90.0	6 10 US-09-847-946A-39	Sequence 39, Appl
21	36	90.0	6 10 US-09-847-946A-40	Sequence 40, Appl
22	36	90.0	6 10 US-09-847-946A-51	Sequence 51, Appl
23	36	90.0	6 10 US-09-847-946A-62	Sequence 62, Appl
24	36	90.0	7 10 US-09-847-946A-55	Sequence 55, Appl
25	36	90.0	7 10 US-09-847-946A-66	Sequence 66, Appl
26	36	90.0	8 10 US-09-847-946A-48	Sequence 48, Appl
27	36	90.0	8 10 US-09-847-946A-56	Sequence 56, Appl
28	36	90.0	8 10 US-09-847-946A-59	Sequence 59, Appl
29	36	90.0	8 10 US-09-847-946A-67	Sequence 67, Appl
30	36	90.0	9 10 US-09-847-946A-47	Sequence 47, Appl
31	36	90.0	9 10 US-09-847-946A-50	Sequence 50, Appl
32	36	90.0	9 10 US-09-847-946A-53	Sequence 53, Appl
33	36	90.0	9 10 US-09-847-946A-54	Sequence 54, Appl
34	36	90.0	9 10 US-09-847-946A-58	Sequence 58, Appl
35	36	90.0	9 10 US-09-847-946A-61	Sequence 61, Appl
36	36	90.0	9 10 US-09-847-946A-64	Sequence 64, Appl
37	36	90.0	9 10 US-09-847-946A-65	Sequence 65, Appl
38	36	90.0	10 10 US-09-847-946A-49	Sequence 49, Appl
39	36	90.0	10 10 US-09-847-946A-52	Sequence 52, Appl
40	36	90.0	10 10 US-09-847-946A-57	Sequence 57, Appl
41	36	90.0	10 10 US-09-847-946A-60	Sequence 60, Appl
42	36	90.0	10 10 US-09-847-946A-63	Sequence 63, Appl
43	36	90.0	11 10 US-09-847-946A-46	Sequence 46, Appl
44	36	90.0	147 12 US-10-424-559-199086	Sequence 199086
45	36	90.0	173 14 US-10-156-761-15045	Sequence 15045, A

ALIGNMENTS

RESULT 1  
US-09-847-946A-41  
Sequence 41, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Firdels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hamig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 41  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: MEMO binding  
US-09-847-946A-41  
Query Match 100.0%; Score 40; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Cy 1 ADMSWA 6  
Db 1 ADMSWA 6

## RESULT 2

US-09-847-946A-73  
; Sequence 73, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Finkel, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 73  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-73

Query Match 100.0%; Score 40; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSMA 6  
Db 1 ADMSMA 6

## RESULT 3

US-09-847-946A-77  
; Sequence 77, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Finkel, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 77  
; LENGTH: 7  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-77

Query Match 100.0%; Score 40; DB 10; Length 7;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSMA 6  
Db 1 ADMSMA 6

Db 1 ADMSMA 6

## RESULT 4

US-09-847-946A-70  
; Sequence 70, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Finkel, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 70  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-70

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSMA 6  
Db 3 ADMSMA 8

## RESULT 5

US-09-847-946A-78  
; Sequence 78, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Finkel, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 78  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-78

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSMA 6  
Db 1 ADMSMA 6

RESULT 6

US-09-847-946A-69  
Sequence 69, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Phillips, Mark A  
APPLICANT: Hannig, Kathryn  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
PRIOR FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 69  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-69

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSMA 6  
Db 1 ADMSMA 6

RESULT 7

US-09-847-946A-72  
Sequence 72, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Phillips, Mark A  
APPLICANT: Hannig, Kathryn  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
PRIOR FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 72  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-72

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSMA 6  
Db 1 ADMSMA 6

RESULT 8

US-09-847-946A-75  
Sequence 75, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Phillips, Mark A  
APPLICANT: Hannig, Kathryn  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
PRIOR FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 75  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-75

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSMA 6  
Db 3 ADMSMA 8

RESULT 9

US-09-847-946A-76  
Sequence 76, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Phillips, Mark A  
APPLICANT: Hannig, Kathryn  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
PRIOR FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 76  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

OTHER INFORMATION: sequence  
US-09-847-946A-76

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSWA 6  
Db 2 ADMSWA 7

RESULT 10

US-09-847-946A-71  
; Sequence 71, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Firdels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamnig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 71  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-71

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSWA 6  
Db 2 ADMSWA 7

RESULT 11

US-09-847-946A-74  
; Sequence 74, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Firdels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamnig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 74  
; LENGTH: 10  
; TYPE: PRT

ORGANISM: Artificial Sequence  
FEATURE: Description of Artificial Sequence:NEMO binding  
OTHER INFORMATION: sequence  
US-09-847-946A-74

Query Match 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSWA 6  
Db 3 ADMSWA 8

RESULT 12

US-09-847-946A-68  
; Sequence 68, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Firdels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamnig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 68  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-68

Query Match 100.0%; Score 40; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ADMSWA 6  
Db 3 ADMSWA 8

RESULT 13

US-10-441-626-17  
; Sequence 17, Application US/10441626  
; Publication No. US20030186418A1  
; GENERAL INFORMATION:  
; APPLICANT: Gualfetti, Peter  
; APPLICANT: Mitchelson, Colin  
; APPLICANT: Phillips, Jay Ian  
; TITLE OF INVENTION: No. US20030186418A1 Variant EGIIf-like Cellulase  
; FILE REFERENCE: GC631  
; CURRENT APPLICATION NUMBER: US/10/441,626  
; PRIOR FILING DATE: 2003-05-19  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatcSeq for Windows Version 4.0  
; SEQ ID NO 17  
; LENGTH: 236  
; TYPE: PRT  
; ORGANISM: Glacioladium roseum (3)  
US-10-441-626-17



Query Match 92.5%; Score 37; DB 14; Length 236;  
 Best Local Similarity 83.3%; Pred. No. 4.7e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWA 6  
 Db 63 ADMSWS 68

RESULT 14  
 US-09-815-242-5090  
 ; Sequence 5090, Application US/09815242  
 ; Patent No. US20020061569A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Haselbeck, Robert  
 ; APPLICANT: Ohlsen, Karl L.  
 ; APPLICANT: Zyskind, Judith W.  
 ; APPLICANT: Wall, Daniel  
 ; APPLICANT: Trawick, John D.  
 ; APPLICANT: Carr, Grant J.  
 ; APPLICANT: Yamamoto, Robert T.  
 ; APPLICANT: Xu, H. Howard  
 ; TITLE OF INVENTION: Identification of Essential Genes in  
 ; FILE REFERENCE: ELITRA.011A  
 ; CURRENT APPLICATION NUMBER: US/09/815,242  
 ; CURRENT FILING DATE: 2001-03-21  
 ; PRIOR APPLICATION NUMBER: 60/191,078  
 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: 60/206,848  
 ; PRIOR FILING DATE: 2000-05-23  
 ; PRIOR APPLICATION NUMBER: 60/207,727  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: 60/242,578  
 ; PRIOR FILING DATE: 2000-10-23  
 ; PRIOR APPLICATION NUMBER: 60/253,625  
 ; PRIOR FILING DATE: 2000-11-27  
 ; PRIOR APPLICATION NUMBER: 60/257,931  
 ; PRIOR FILING DATE: 2000-12-22  
 ; PRIOR APPLICATION NUMBER: 60/269,308  
 ; PRIOR FILING DATE: 2001-02-16  
 ; NUMBER OF SEQ ID NOS: 1410  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 5090  
 ; LENGTH: 885  
 ; TYPE: PRT  
 ; ORGANISM: Pseudomonas aeruginosa  
 ; US-09-815-242-5090

Query Match 92.5%; Score 37; DB 9; Length 885;  
 Best Local Similarity 83.3%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWA 6  
 Db 563 ADMSWA 568

RESULT 15  
 US-10-282-122A-43572  
 ; Sequence 43572, Application US/10282122A  
 ; Publication No. US20040029129A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, Liangsu  
 ; APPLICANT: Zamudio, Carlos  
 ; APPLICANT: Malone, Cheryl  
 ; APPLICANT: Haselbeck, Robert  
 ; APPLICANT: Ohlsen, Karl  
 ; APPLICANT: Zyskind, Judith  
 ; APPLICANT: Wall, Daniel  
 ; APPLICANT: Trawick, John  
 ; APPLICANT: Carr, Grant

APPLICANT: Yamamoto, Robert  
 ; APPLICANT: Forey, R.  
 ; APPLICANT: Xu, H.  
 ; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
 ; FILE REFERENCE: ELITRA.034A  
 ; CURRENT APPLICATION NUMBER: US/10/282,122A  
 ; CURRENT FILING DATE: 2003-02-20  
 ; PRIOR APPLICATION NUMBER: 60/191,078  
 ; PRIOR FILING DATE: 2000-03-21  
 ; PRIOR APPLICATION NUMBER: 60/206,848  
 ; PRIOR FILING DATE: 2000-05-23  
 ; PRIOR APPLICATION NUMBER: 60/207,727  
 ; PRIOR FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: 60/230,335  
 ; PRIOR FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: 60/230,347  
 ; PRIOR FILING DATE: 2000-09-09  
 ; PRIOR APPLICATION NUMBER: 60/242,578  
 ; PRIOR FILING DATE: 2000-10-23  
 ; PRIOR APPLICATION NUMBER: 60/253,625  
 ; PRIOR FILING DATE: 2000-11-27  
 ; PRIOR APPLICATION NUMBER: 60/257,931  
 ; PRIOR FILING DATE: 2000-12-22  
 ; PRIOR APPLICATION NUMBER: 60/267,636  
 ; PRIOR FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/269,308  
 ; PRIOR FILING DATE: 2001-02-16  
 ; NUMBER OF SEQ ID NOS: 78614  
 ; SOFTWARE: Patentin version 3.1  
 ; SEQ ID NO 43572  
 ; LENGTH: 885  
 ; TYPE: PRT  
 ; ORGANISM: Pseudomonas aeruginosa  
 ; US-10-282-122A-43572

Query Match 92.5%; Score 37; DB 12; Length 885;  
 Best Local Similarity 83.3%; Pred. No. 1.3e+03;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 ADMSWA 6  
 Db 563 ADMSWA 568

Search completed: March 17, 2004, 18:45:25  
 Job time : 22.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2004, 18:31:46 / Search time 21.6711 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-7  
Perfect score: 38  
Sequence: 1 LAWSWL 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues  
Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database: Published Applications AA:  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	38	100.0	6	9	US-09-847-940B-7
2	38	100.0	6	9	US-09-847-946A-7
3	38	100.0	97	12	US-10-424-599-260030
4	38	100.0	216	12	US-10-424-599-157658
5	38	100.0	872	15	US-10-369-493-20896
6	38	100.0	1217	15	US-10-104-047-2263
7	35	92.1	86	12	US-10-424-599-234031
8	35	92.1	120	12	US-10-424-599-202984
9	35	92.1	196	14	US-10-080-170-120
10	35	92.1	210	14	US-10-080-170-548
11	35	92.1	1055	9	US-09-759-667A-3
12	34	89.5	56	10	US-09-933-767-359
13	34	89.5	56	14	US-10-023-282-359
14	34	89.5	64	9	US-09-864-761-39808
15	34	89.5	68	12	US-10-424-599-278156

16	34	89.5	87	12	US-10-424-599-155295	Sequence 155295,
17	34	89.5	89	12	US-10-424-599-145894	Sequence 145894,
18	34	89.5	93	12	US-10-424-599-258454	Sequence 258454,
19	34	89.5	100	12	US-10-424-599-257999	Sequence 257999,
20	34	89.5	102	12	US-10-424-599-260060	Sequence 260060,
21	34	89.5	116	12	US-10-424-599-210233	Sequence 210233,
22	34	89.5	123	12	US-10-424-599-160618	Sequence 160618,
23	34	89.5	125	12	US-10-424-599-157430	Sequence 157430,
24	34	89.5	141	12	US-10-424-599-201276	Sequence 201276,
25	34	89.5	151	12	US-10-424-599-160617	Sequence 160617,
26	34	89.5	151	12	US-10-424-599-194963	Sequence 194963,
27	34	89.5	170	15	US-10-104-047-2210	Sequence 2210, Ap
28	34	89.5	191	12	US-10-424-599-200365	Sequence 200365,
29	34	89.5	218	12	US-10-425-114-50280	Sequence 50280, A
30	34	89.5	237	12	US-10-425-114-68871	Sequence 68871, A
31	34	89.5	260	12	US-10-424-599-249146	Sequence 249146,
32	34	89.5	288	12	US-10-425-114-64935	Sequence 64935, A
33	34	89.5	449	14	US-10-156-761-7842	Sequence 7842, Ap
34	34	89.5	493	15	US-10-147-324-2	Sequence 2, Appl1
35	34	89.5	514	12	US-10-336-472-56	Sequence 56, Appl
36	34	89.5	544	14	US-10-067-668-8	Sequence 8, Appl1
37	34	89.5	544	14	US-10-175-696-8	Sequence 17, Appl
38	34	89.5	544	14	US-10-257-378-17	Sequence 284901,
39	34	89.5	547	12	US-10-369-493-12634	Sequence 12634, A
40	34	89.5	659	15	US-10-369-493-7850	Sequence 7850, Ap
41	34	89.5	821	15	US-10-389-566-2436	Sequence 2436, Ap
42	34	89.5	1408	16	US-10-389-566-1044	Sequence 1044, Ap
43	34	89.5	1411	16	US-09-847-940B-8	Sequence 8, Appl1
44	33	86.8	6	9	US-09-847-946A-8	Sequence 8, Appl1
45	33	86.8	6	10	US-09-847-946A-8	Sequence 8, Appl1

## ALIGNMENTS

RESULT 1  
US-09-847-940B-7  
Sequence 7, Application US/09847940B  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
US-09-847-940B-7  
Description of Artificial Sequence: NBD mutants

Query Match 100.0%; Score 38; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 LAWSWL 6  
1 LAWSWL 6  
Db 1 LAWSWL 6

RESULT 2  
US-09-847-946A-7  
Sequence 7, Application US/09847946A  
Patent No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

APPLICANT: Ghosh, Sanke  
APPLICANT: Fandels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hennig, Gerhart  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD peptide  
US-09-847-946A-7

Query Match 100.0%; Score 38; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
DB 1 LAWSWL 6

RESULT 3  
US-10-424-599-260030  
Sequence 260030, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 260030  
LENGTH: 97  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_76831C.1.pep  
US-10-424-599-260030

Query Match 100.0%; Score 38; DB 12; Length 97;  
Best Local Similarity 100.0%; Pred. No. 3e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
DB 69 LAWSWL 74

RESULT 4  
US-10-424-599-157658  
Sequence 157658, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 157658  
LENGTH: 216  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_113385C.1.pep  
US-10-424-599-157658

Query Match 100.0%; Score 38; DB 12; Length 216;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
DB 188 LAWSWL 193

RESULT 5  
US-10-369-493-20896  
Sequence 20896, Application US/10369493  
Publication No. US20030233675A1  
GENERAL INFORMATION:  
APPLICANT: Cao, Yongwei  
APPLICANT: Hinkle, Gregory J.  
APPLICANT: Slater, Steven C.  
APPLICANT: Goldman, Barry S.  
APPLICANT: Chen, Xianfeng  
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
FILE REFERENCE: 38-10(52052)B  
CURRENT APPLICATION NUMBER: US/10/369,493  
CURRENT FILING DATE: 2003-02-28  
PRIOR APPLICATION NUMBER: US 60/360,039  
PRIOR FILING DATE: 2002-02-21  
NUMBER OF SEQ ID NOS: 47374  
SEQ ID NO 20896  
LENGTH: 872  
TYPE: PRT  
ORGANISM: SYNECHOCOCUS SP. WH 8102  
US-10-369-493-20896

Query Match 100.0%; Score 38; DB 15; Length 872;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAWSWL 6  
DB 692 LAWSWL 697

RESULT 6  
US-10-104-047-2263  
Sequence 2263, Application US/10104047  
Publication No. US20030236392A1  
GENERAL INFORMATION:  
APPLICANT: HELIX RESEARCH INSTITUTE  
TITLE OF INVENTION: NO. US20030236392A1 full length cDNA  
FILE REFERENCE: H1-A0105  
CURRENT APPLICATION NUMBER: US/10/104,047  
CURRENT FILING DATE: 2002-03-25  
PRIOR APPLICATION NUMBER:  
PRIOR FILING DATE:  
NUMBER OF SEQ ID NOS: 4096  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 2263  
LENGTH: 1217  
TYPE: PRT  
ORGANISM: Homo sapiens

US-10-104-047-22263

Query Match 100.0%; Score 38; DB 15; Length 1217;  
Best Local Similarity 100.0%; Pred. No. 2e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAMSWL 6  
:|||||  
DB 590 LAMSWL 595

RESULT 7

US-10-424-599-234031  
; Sequence 234031, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 234031  
; LENGTH: 86  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_53354C.1.pep  
US-10-424-599-234031

Query Match 92.1%; Score 35; DB 12; Length 86;  
Best Local Similarity 83.3%; Pred. No. 6.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAMSWL 6  
:|||||  
DB 17 LAMSWL 22

RESULT 8  
US-10-424-599-202984  
; Sequence 202984, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 202984  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_2531C.1.pep  
US-10-424-599-202984

Query Match 92.1%; Score 35; DB 12; Length 120;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAMSWL 6  
:|||||  
DB 110 LAMSWL 115

RESULT 9  
US-10-080-170-120  
; Sequence 120, Application US/10080170  
; Publication No. US20030129601A1  
; GENERAL INFORMATION:  
; APPLICANT: COLE, S.T.  
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR  
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR  
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES  
; FILE REFERENCE: 03495.0218  
; CURRENT APPLICATION NUMBER: US/10/080,170  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: 60/270,123  
; PRIOR FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 652  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 120  
; LENGTH: 196  
; TYPE: PRT  
; ORGANISM: Mycobacterium leprae  
US-10-080-170-120

Query Match 92.1%; Score 35; DB 14; Length 196;  
Best Local Similarity 83.3%; Pred. No. 1.2e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAMSWL 6  
:|||||  
DB 109 VAMSWL 114

RESULT 10  
US-10-080-170-548  
; Sequence 548, Application US/10080170  
; Publication No. US20030129601A1  
; GENERAL INFORMATION:  
; APPLICANT: COLE, S.T.  
; TITLE OF INVENTION: COMPARATIVE MYCOBACTERIAL GENOMICS AS A TOOL FOR  
; TITLE OF INVENTION: IDENTIFYING TARGETS FOR THE DIAGNOSIS, PROPHYLAXIS OR  
; TITLE OF INVENTION: TREATMENT OF MYCOBACTERIOSES  
; FILE REFERENCE: 03495.0218  
; CURRENT APPLICATION NUMBER: US/10/080,170  
; CURRENT FILING DATE: 2002-06-10  
; PRIOR APPLICATION NUMBER: 60/270,123  
; PRIOR FILING DATE: 2001-02-22  
; NUMBER OF SEQ ID NOS: 652  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 548  
; LENGTH: 210  
; TYPE: PRT  
; ORGANISM: Mycobacterium tuberculosis  
US-10-080-170-548

Query Match 92.1%; Score 35; DB 14; Length 210;  
Best Local Similarity 83.3%; Pred. No. 1.3e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAMSWL 6  
:|||||  
DB 123 VAMSWL 128

RESULT 11  
US-09-759-667A-3  
; Sequence 3, Application US/09759667A  
; Patent No. US20020064777A1  
; GENERAL INFORMATION:  
; APPLICANT: Mengiste, Tesaye  
; APPLICANT: Paszkowski, Jerzy  
; TITLE OF INVENTION: Recombination Repair Gene, MIM, from Arabidopsis thaliana  
; FILE REFERENCE: S-30568A

```

CURRENT APPLICATION NUMBER: US/09/759,667A
PRIOR APPLICATION NUMBER: 2001-01-12
PRIOR FILING DATE: 1998-07-16
PRIOR APPLICATION NUMBER: 9815485.9
PRIOR FILING DATE: 1998-07-16
PRIOR APPLICATION NUMBER: 9900760.1
PRIOR FILING DATE: 1999-01-14
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn version 3.0
SEQ ID NO: 3
LENGTH: 1055
TYPE: PRT
ORGANISM: Arabidopsis thaliana
US-09-759-667A-3

Query Match      92.1%  Score 35;  DB 9;  Length 1055;
Best Local Similarity 83.3%;  Pred. No. 4,4e+03;
Matches 5;  Conservative 1;  Mismatches 0;  Indels 0;  Gaps 0;

QY      1  LAWSML 6
DB      248 LAWSMLV 253

RESULT 12
US-09-933-767-359
Sequence 359, Application US/09933767
Publication No. US20030181692A1
GENERAL INFORMATION:
APPLICANT: NI et al.
TITLE OF INVENTION: 207 Human Secreted Proteins
FILE REFERENCE: P2007P2
CURRENT APPLICATION NUMBER: US/09/933,767
CURRENT FILING DATE: 2001-08-22
PRIOR APPLICATION NUMBER: PCT/US01/05614
PRIOR FILING DATE: 2001-02-21
PRIOR APPLICATION NUMBER: 60/184,836
PRIOR FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: 60/193,170
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 09/205,258
PRIOR FILING DATE: 1998-12-04
PRIOR APPLICATION NUMBER: PCT/US98/11422
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/048,885
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/049,375
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,881
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,880
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,896
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/049,020
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,876
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,895
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,884
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,894
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,971
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,964
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,882
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,899
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,893
PRIOR FILING DATE: 1997-06-06

PRIOR APPLICATION NUMBER: 60/048,900
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,901
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,892
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,915
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/049,019
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,970
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,972
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,916
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/049,373
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,875
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/049,374
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,917
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,949
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,974
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,883
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,897
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,898
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,962
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,963
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,877
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/048,878
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/068,054
PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/068,064
PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/068,053
PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/070,923
PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/073,160
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/073,159
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/073,165
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/073,164
PRIOR FILING DATE: 1998-01-30
PRIOR APPLICATION NUMBER: 60/085,925
PRIOR FILING DATE: 1998-05-18
PRIOR APPLICATION NUMBER: 60/085,921
PRIOR FILING DATE: 1998-05-18
PRIOR APPLICATION NUMBER: 60/085,923
PRIOR FILING DATE: 1998-05-18
PRIOR APPLICATION NUMBER: 60/085,922
PRIOR FILING DATE: 1998-05-18
PRIOR APPLICATION NUMBER: 60/092,921
PRIOR FILING DATE: 1998-07-15
PRIOR APPLICATION NUMBER: 60/094,657
PRIOR FILING DATE: 1998-07-30
NUMBER OF SEQ ID NOS: 1245
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 359
```

LENGTH: 56  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (56)  
OTHER INFORMATION: Xaa equals stop translation  
US-09-933-767-359

Query Match 89.5%; Score 34; DB 10; Length 56;  
Best Local Similarity 100.0%; Pred. No. 6.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAMSW 5  
DB 9 LAMSW 13

RESULT 13  
US-10-023-282-359  
Sequence 359 Application US/10023282  
Publication No. US2003092893A1  
GENERAL INFORMATION:  
APPLICANT: Young et al.  
TITLE OF INVENTION: 207 Human Secreted Proteins  
FILE REFERENCE: P2007P1  
CURRENT APPLICATION NUMBER: US/10/023,282  
CURRENT FILING DATE: 2001-12-20  
EARLIER APPLICATION NUMBER: 09/205,258  
EARLIER FILING DATE: 1998-12-04  
EARLIER APPLICATION NUMBER: 60/048,880  
EARLIER FILING DATE: 1998-06-04  
EARLIER APPLICATION NUMBER: 60/048,885  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,375  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,881  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,880  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,896  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,020  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,876  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,895  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,884  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,894  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,971  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,964  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,882  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,899  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,893  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,900  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,901  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,892  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,915  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,019  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,970

EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,972  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,916  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,373  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,875  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/049,374  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,917  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,949  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,974  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,883  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,897  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,898  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,962  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,963  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,877  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/048,878  
EARLIER FILING DATE: 1997-06-06  
EARLIER APPLICATION NUMBER: 60/070,923  
EARLIER FILING DATE: 1997-12-18  
EARLIER APPLICATION NUMBER: 60/092,921  
EARLIER FILING DATE: 1998-07-15  
EARLIER APPLICATION NUMBER: 60/094,657  
EARLIER FILING DATE: 1998-07-30  
NUMBER OF SEQ ID NOS: 1227  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 359  
LENGTH: 56  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (56)  
OTHER INFORMATION: Xaa equals stop translation  
US-10-023-282-359

Query Match 89.5%; Score 34; DB 14; Length 56;  
Best Local Similarity 100.0%; Pred. No. 6.5e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LAMSW 5  
DB 9 LAMSW 13

RESULT 14  
US-09-864-761-39808  
Sequence 39808 Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aecmics-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312

```

; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 39808
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC004596.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3
; OTHER INFORMATION: EST HUMAN HIT: BE891286.1, EVALUE 3.00e-33
; OTHER INFORMATION: SWISSPROT HIT: P14528, EVALUE 4.50e+00
; US-09-664-761-39808

Query Match      89.5%; Score 34; DB 9; Length 64;
Best Local Similarity 100.0%; Pred. No. 7.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LAMSM 5
      |||||
Db      33 LAMSM 37

RESULT 15
US-10-424-599-278156
; Sequence 278156, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
```

```

; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 278156
; LENGTH: 68
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_93199C.1.pep
; US-10-424-599-278156

Query Match      89.5%; Score 34; DB 12; Length 68;
Best Local Similarity 83.3%; Pred. No. 7.5e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 LAMSWL 6
      |||||
Db      40 LAMSWL 45

Search completed: March 17, 2004, 18:45:26
Job time : 22.6711 secs
```

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-8  
Perfect score: 39  
Sequence: 1 LEWSWL 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues  
Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :  
1: /cgn2\_6/prodata/1/pubppa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/prodata/1/pubppa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/prodata/1/pubppa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/prodata/1/pubppa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/1/pubppa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/prodata/1/pubppa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/prodata/1/pubppa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/prodata/1/pubppa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/prodata/1/pubppa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/prodata/1/pubppa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/prodata/1/pubppa/US09\_PUBCOMB.pep.\*  
12: /cgn2\_6/prodata/1/pubppa/US10\_PUBCOMB.pep.\*  
13: /cgn2\_6/prodata/1/pubppa/US10\_PUBCOMB.pep.\*  
14: /cgn2\_6/prodata/1/pubppa/US10\_PUBCOMB.pep.\*  
15: /cgn2\_6/prodata/1/pubppa/US10\_PUBCOMB.pep.\*  
16: /cgn2\_6/prodata/1/pubppa/US10\_PUBCOMB.pep.\*  
17: /cgn2\_6/prodata/1/pubppa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/prodata/1/pubppa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	39	100.0	6	9 US-09-847-940B-8	Sequence 8, Appl1
2	39	100.0	6	10 US-09-847-946A-8	Sequence 8, Appl1
3	36	92.3	6	9 US-09-847-940B-2	Sequence 2, Appl1
4	36	92.3	6	10 US-09-847-946A-2	Sequence 2, Appl1
5	36	92.3	6	10 US-09-847-946A-33	Sequence 33, Appl1
6	36	92.3	7	10 US-09-847-946A-37	Sequence 37, Appl1
7	36	92.3	8	10 US-09-847-946A-30	Sequence 30, Appl1
8	36	92.3	8	10 US-09-847-946A-38	Sequence 38, Appl1
9	36	92.3	9	10 US-09-847-946A-29	Sequence 29, Appl1
10	36	92.3	9	10 US-09-847-946A-32	Sequence 32, Appl1
11	36	92.3	9	10 US-09-847-946A-35	Sequence 35, Appl1
12	36	92.3	10	10 US-09-847-946A-36	Sequence 36, Appl1
13	36	92.3	10	10 US-09-847-946A-31	Sequence 31, Appl1
14	36	92.3	10	10 US-09-847-946A-34	Sequence 34, Appl1
15	36	92.3	11	10 US-09-847-946A-28	Sequence 28, Appl1

16	36	92.3	11	10 US-09-847-946A-132	Sequence 132, App
17	36	92.3	11	10 US-09-847-946A-140	Sequence 140, App
18	36	92.3	13	10 US-09-847-946A-143	Sequence 143, App
19	36	92.3	13	10 US-09-847-946A-144	Sequence 144, App
20	36	92.3	13	10 US-09-847-946A-145	Sequence 145, App
21	36	92.3	13	10 US-09-847-946A-148	Sequence 148, App
22	36	92.3	17	10 US-09-847-946A-141	Sequence 141, App
23	36	92.3	17	10 US-09-847-946A-142	Sequence 142, App
24	36	92.3	17	10 US-09-847-946A-146	Sequence 146, App
25	36	92.3	17	10 US-09-847-946A-147	Sequence 147, App
26	36	92.3	18	10 US-09-847-946A-131	Sequence 131, App
27	36	92.3	18	10 US-09-847-946A-135	Sequence 135, App
28	36	92.3	18	10 US-09-847-946A-136	Sequence 136, App
29	36	92.3	22	10 US-09-847-946A-134	Sequence 134, App
30	36	92.3	22	10 US-09-847-946A-137	Sequence 137, App
31	36	92.3	22	10 US-09-847-946A-138	Sequence 138, App
32	36	92.3	22	10 US-09-847-946A-139	Sequence 139, App
33	36	92.3	28	10 US-09-847-940B-18	Sequence 18, App1
34	36	92.3	28	10 US-09-847-946A-18	Sequence 18, App1
35	36	92.3	28	10 US-09-847-946A-18	Sequence 18, App1
36	36	92.3	70	12 US-10-424-599-196520	Sequence 141, App
37	36	92.3	222	9 US-09-771-161A-141	Sequence 141, App
38	36	92.3	745	9 US-09-796-872-2	Sequence 10, App1
39	36	92.3	745	9 US-09-844-908-10	Sequence 10, App1
40	36	92.3	745	9 US-09-844-908-10	Sequence 10, App1
41	36	92.3	745	14 US-10-243-408-4	Sequence 4, App1
42	36	92.3	745	14 US-10-059-585-35	Sequence 35, App1
43	36	92.3	745	14 US-10-338-462-10	Sequence 3, App1
44	36	92.3	745	15 US-10-408-636-3	Sequence 32, App1
45	36	92.3	745	15 US-10-394-322A-32	Sequence 32, App1

## ALIGNMENTS

RESULT 1  
US-09-847-940B-8  
Sequence 8, Application US/09847940B  
Patent No. US2002015600A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
APPLICANT: Ghosh, Sankar  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PRI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
PRIOR FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 8  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-8

Query Match 100.0%; Score 39; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
DB 1 LEWSWL 6

RESULT 2  
US-09-847-946A-8  
Sequence 8, Application US/09847946A  
Publication No. US2003005499A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J



```
/ APPLICANT: Ghosh, Sankar
/ APPLICANT: Findels, Mark A
/ APPLICANT: Phillips, Kathryn
/ APPLICANT: Hannig, Gerhard
/ TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
/ FILE REFERENCE: PPI-119
/ CURRENT APPLICATION NUMBER: US/09/847,946A
/ CURRENT FILING DATE: 2001-05-02
/ PRIOR APPLICATION NUMBER: 60/201,261
/ PRIOR FILING DATE: 2000-05-02
/ PRIOR APPLICATION NUMBER: 09/643,260
/ PRIOR FILING DATE: 2000-08-22
/ NUMBER OF SEQ ID NOS: 160
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 8
/ LENGTH: 6
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-8
```

```
Query Match          100.0%; Score 39; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEMSWL 6
        |||||
Db      1 LEMSWL 6
```

```
RESULT 3
US-09-847-940B-2
/ Sequence 2, Application US/09847940B
/ Patent No. US2002015600A1
/ GENERAL INFORMATION:
/ APPLICANT: Ghosh, Sankar
/ APPLICANT: Findels, Mark A
/ APPLICANT: Hannig, Gerhard
/ TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
/ FILE REFERENCE: PPI-117CP
/ CURRENT APPLICATION NUMBER: US/09/847,940B
/ CURRENT FILING DATE: 2001-05-02
/ PRIOR APPLICATION NUMBER: 09/643,260
/ PRIOR FILING DATE: 2000-08-22
/ NUMBER OF SEQ ID NOS: 27
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 6
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:NBD mutants
US-09-847-940B-2
```

```
Query Match          92.3%; Score 36; DB 9; Length 6;
Best Local Similarity 83.3%; Pred. No. 9.5e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEMSWL 6
        |||||
Db      1 LEMSWL 6
```

```
RESULT 4
US-09-847-946A-2
/ Sequence 2, Application US/09847946A
/ Publication No. US20030054999A1
/ GENERAL INFORMATION:
/ APPLICANT: May, Michael J
/ APPLICANT: Ghosh, Sankar
/ APPLICANT: Findels, Mark A
/ APPLICANT: Phillips, Kathryn
/ APPLICANT: Hannig, Gerhard
```

```
/ TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
/ FILE REFERENCE: PPI-119
/ CURRENT APPLICATION NUMBER: US/09/847,946A
/ CURRENT FILING DATE: 2001-05-02
/ PRIOR APPLICATION NUMBER: 60/201,261
/ PRIOR FILING DATE: 2000-05-02
/ PRIOR APPLICATION NUMBER: 09/643,260
/ PRIOR FILING DATE: 2000-08-22
/ NUMBER OF SEQ ID NOS: 160
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 2
/ LENGTH: 6
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-2
```

```
Query Match          92.3%; Score 36; DB 10; Length 6;
Best Local Similarity 83.3%; Pred. No. 9.5e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEMSWL 6
        |||||
Db      1 LEMSWL 6
```

```
RESULT 5
US-09-847-946A-33
/ Sequence 33, Application US/09847946A
/ Publication No. US20030054999A1
/ GENERAL INFORMATION:
/ APPLICANT: May, Michael J
/ APPLICANT: Ghosh, Sankar
/ APPLICANT: Findels, Mark A
/ APPLICANT: Phillips, Kathryn
/ APPLICANT: Hannig, Gerhard
/ TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
/ FILE REFERENCE: PPI-119
/ CURRENT APPLICATION NUMBER: US/09/847,946A
/ CURRENT FILING DATE: 2001-05-02
/ PRIOR APPLICATION NUMBER: 60/201,261
/ PRIOR FILING DATE: 2000-05-02
/ PRIOR APPLICATION NUMBER: 09/643,260
/ PRIOR FILING DATE: 2000-08-22
/ NUMBER OF SEQ ID NOS: 160
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 33
/ LENGTH: 6
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence:NBD binding
US-09-847-946A-33
```

```
Query Match          92.3%; Score 36; DB 10; Length 6;
Best Local Similarity 83.3%; Pred. No. 9.5e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEMSWL 6
        |||||
Db      1 LEMSWL 6
```

```
RESULT 6
US-09-847-946A-37
/ Sequence 37, Application US/09847946A
/ Publication No. US20030054999A1
/ GENERAL INFORMATION:
/ APPLICANT: May, Michael J
/ APPLICANT: Ghosh, Sankar
/ APPLICANT: Findels, Mark A
```

APPLICANT: Phillips, Kathryn  
APPLICANT: Hamdig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 37  
LENGTH: 7  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-37

Query Match 92.3%; Score 36; DB 10; Length 7;  
Best Local Similarity 83.3%; Pred. No. 9.5e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEMSWL 6  
|:||||  
Db 1 LDMWSWL 6

## RESULT 7

US-09-847-946A-30  
Sequence 30, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hamdig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 30  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-30

Query Match 92.3%; Score 36; DB 10; Length 8;  
Best Local Similarity 83.3%; Pred. No. 9.5e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEMSWL 6  
|:||||  
Db 3 LDMWSWL 8

## RESULT 8

US-09-847-946A-38  
Sequence 38, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:

APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Rindels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hamdig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 38  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-38

Query Match 92.3%; Score 36; DB 10; Length 8;  
Best Local Similarity 83.3%; Pred. No. 9.5e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEMSWL 6  
|:||||  
Db 1 LDMWSWL 6

## RESULT 9

US-09-847-946A-29  
Sequence 29, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Rindels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hamdig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 29  
LENGTH: 9  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-29

Query Match 92.3%; Score 36; DB 10; Length 9;  
Best Local Similarity 83.3%; Pred. No. 9.5e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LEMSWL 6  
|:||||  
Db 1 LDMWSWL 6

## RESULT 10

US-09-847-946A-32

```
Sequence 32, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 32
LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-32
```

```
Query Match          92.3%; Score 36; DB 10; Length 9;
Best Local Similarity 83.3%; Pred. No. 9.5e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEWSWL 6
Db      1 LDWSWL 6
```

```
RESULT 11
US-09-847-946A-35
Sequence 35, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 35
LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-35
```

```
Query Match          92.3%; Score 36; DB 10; Length 9;
Best Local Similarity 83.3%; Pred. No. 9.5e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEWSWL 6
Db      3 LDWSWL 8
```

```
RESULT 12
US-09-847-946A-36
Sequence 36, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 36
LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-36
```

```
Query Match          92.3%; Score 36; DB 10; Length 9;
Best Local Similarity 83.3%; Pred. No. 9.5e+05;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEWSWL 6
Db      2 LDWSWL 7
```

```
RESULT 13
US-09-847-946A-31
Sequence 31, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findels, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 31
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-31
```

```
Query Match          92.3%; Score 36; DB 10; Length 10;
Best Local Similarity 83.3%; Pred. No. 92;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 LEWSWL 6
```

Db 2 LDMSWL 7

```

RESULT 14
US-09-847-946A-34
; Sequence 34, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Fingels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-34

```

Query Match 92.3%; Score 36; DB 10; Length 10;  
 Best Local Similarity 83.3%; Pred. No. 92;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LEWSWL 6  
 Db 3 LDMSWL 8

```

RESULT 15
US-09-847-946A-28
; Sequence 28, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Fingels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
; LENGTH: 11
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-28

```

Query Match 92.3%; Score 36; DB 10; Length 11;  
 Best Local Similarity 83.3%; Pred. No. 98;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
 QY 1 LEWSWL 6  
 Db 3 LDMSWL 8

Search completed: March 17, 2004, 18:45:27  
 CPU time : 22.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds  
(without alignments)  
71.273 Million cell updates/sec

Title: US-09-643-260-9  
Perfect score: 40  
Sequence: 1 LNMWML 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA.\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40	100.0	6	9	US-09-847-940B-9
2	40	100.0	6	10	US-09-847-946A-9
3	36	90.0	117	10	US-09-809-391-360
4	36	90.0	117	10	US-09-882-171-360
5	36	90.0	117	15	US-10-108-260A-2983
6	36	90.0	206	12	US-10-425-114-53485
7	36	90.0	284	12	US-10-425-114-58553
8	36	90.0	287	12	US-10-425-114-51905
9	36	90.0	444	12	US-10-425-114-65445
10	36	90.0	455	12	US-10-282-122A-73424
11	36	90.0	460	12	US-10-282-122A-74853
12	36	90.0	460	12	US-10-282-122A-76281
13	36	90.0	462	12	US-10-425-114-66792
14	36	90.0	464	9	US-09-815-242-10647
15	36	90.0	464	12	US-10-282-122A-42561

16	36	90.0	467	9	US-09-815-242-4997	Sequence 4997, App
17	36	90.0	464	15	US-10-436-715-29	Sequence 29, App1
18	36	90.0	864	15	US-10-436-715-82	Sequence 82, App1
19	35	87.5	6	9	US-09-847-940B-2	Sequence 2, App1
20	35	87.5	6	10	US-09-847-946A-2	Sequence 2, App1
21	35	87.5	6	10	US-09-847-946A-13	Sequence 33, App1
22	35	87.5	7	10	US-09-847-946A-17	Sequence 37, App1
23	35	87.5	8	10	US-09-847-946A-30	Sequence 38, App1
24	35	87.5	8	10	US-09-847-946A-18	Sequence 30, App1
25	35	87.5	9	10	US-09-847-946A-29	Sequence 29, App1
26	35	87.5	9	10	US-09-847-946A-32	Sequence 32, App1
27	35	87.5	9	10	US-09-847-946A-35	Sequence 35, App1
28	35	87.5	9	10	US-09-847-946A-16	Sequence 36, App1
29	35	87.5	10	10	US-09-847-946A-11	Sequence 31, App1
30	35	87.5	10	10	US-09-847-946A-14	Sequence 34, App1
31	35	87.5	11	10	US-09-847-946A-18	Sequence 28, App1
32	35	87.5	11	10	US-09-847-946A-132	Sequence 132, App
33	35	87.5	11	10	US-09-847-946A-140	Sequence 130, App
34	35	87.5	13	10	US-09-847-946A-143	Sequence 143, App
35	35	87.5	13	10	US-09-847-946A-144	Sequence 145, App
36	35	87.5	13	10	US-09-847-946A-145	Sequence 148, App
37	35	87.5	13	10	US-09-847-946A-148	Sequence 141, App
38	35	87.5	17	10	US-09-847-946A-141	Sequence 142, App
39	35	87.5	17	10	US-09-847-946A-142	Sequence 146, App
40	35	87.5	17	10	US-09-847-946A-146	Sequence 147, App
41	35	87.5	17	10	US-09-847-946A-147	Sequence 131, App
42	35	87.5	18	10	US-09-847-946A-131	Sequence 135, App
43	35	87.5	18	10	US-09-847-946A-135	Sequence 136, App
44	35	87.5	18	10	US-09-847-946A-136	Sequence 133, App
45	35	87.5	22	10	US-09-847-946A-133	

## ALIGNMENTS

RESULT 1  
US-09-847-940B-9  
Sequence 9, Application US/09847940B  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
PRIORITY FILING DATE: 2001-05-02  
PRIORITY APPLICATION NUMBER: 09/643,260  
PRIORITY FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 9  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-9

Query Match 100.0%; Score 40; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 LNMWML 6  
DB 1 LNMWML 6  
RESULT 2  
US-09-847-946A-9  
Sequence 9, Application US/09847946A  
Publicatation No. US2003005499A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

APPLICANT: Ghosh, Sankar  
APPLICANT: Findeis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hamid, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 9  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD peptide  
US-09-847-946A-9

Query Match 100.0%; Score 40; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNWSWL 6  
|||||  
DB 1 LNWSWL 6

RESULT 3  
US-09-809-391-360  
Sequence 360, Application US/09809391  
Publication No. US20030049618A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.  
TITLE OF INVENTION: 186 Human Secreted proteins  
FILE REFERENCE: P2002P2  
CURRENT APPLICATION NUMBER: US/09/809,391  
CURRENT FILING DATE: 2001-03-16  
Prior application data removed - consult PAM or file wrapper  
NUMBER OF SEQ ID NOS: 761  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 360  
LENGTH: 117  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-809-391-360

Query Match 90.0%; Score 36; DB 10; Length 117;  
Best Local Similarity 100.0%; Pred. No. 6.1e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LNWSM 5  
|||||  
DB 30 LNWSM 34

RESULT 4  
US-09-882-171-360  
Sequence 360, Application US/09882171  
Publication No. US20030175858A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.  
TITLE OF INVENTION: 186 Human Secreted proteins  
FILE REFERENCE: P2002P2  
CURRENT APPLICATION NUMBER: US/09/882,171  
CURRENT FILING DATE: 2001-06-18  
PRIOR APPLICATION NUMBER: 09/809,391  
PRIOR FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 09/149,476  
PRIOR FILING DATE: 1998-09-08

PRIOR APPLICATION NUMBER: PCT/US98/04493  
PRIOR FILING DATE: 1998-03-06  
PRIOR APPLICATION NUMBER: 60/040,162  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/040,333  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/038,621  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/040,626  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/040,334  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/040,336  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/040,163  
PRIOR FILING DATE: 1997-03-07  
PRIOR APPLICATION NUMBER: 60/047,600  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,615  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,597  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,502  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,633  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,583  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,617  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,618  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,503  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,592  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,581  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,584  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,500  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,587  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,492  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,598  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,613  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,582  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,596  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,612  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,632  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/047,601  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 60/043,580  
PRIOR FILING DATE: 1997-04-11  
PRIOR APPLICATION NUMBER: 60/043,568  
PRIOR FILING DATE: 1997-04-11  
PRIOR APPLICATION NUMBER: 60/043,314  
PRIOR FILING DATE: 1997-04-11  
PRIOR APPLICATION NUMBER: 60/043,569  
PRIOR FILING DATE: 1997-04-11  
PRIOR APPLICATION NUMBER: 60/043,311  
PRIOR FILING DATE: 1997-04-11  
PRIOR APPLICATION NUMBER: 60/043,671  
PRIOR FILING DATE: 1997-04-11  
PRIOR APPLICATION NUMBER: 60/043,674

```

PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,669
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,312
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,313
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,672
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,315
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/048,974
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/056,886
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,877
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,889
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,893
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,630
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,878
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,662
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,872
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,882
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,637
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,903
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,888
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,879
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,880
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,894
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,911
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,636
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,874
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,910
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,864
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,631
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,845
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,892
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/057,761
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/047,595
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,599
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,588
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,585
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,586
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,590
PRIOR FILING DATE: 1997-05-23

PRIOR APPLICATION NUMBER: 60/047,594
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,589
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,593
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/047,614
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/043,578
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/043,576
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/047,501
PRIOR FILING DATE: 1997-05-23
PRIOR APPLICATION NUMBER: 60/043,670
PRIOR FILING DATE: 1997-04-11
PRIOR APPLICATION NUMBER: 60/056,632
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,664
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,876
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,881
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,909
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,875
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,862
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,887
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/056,908
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/048,964
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: 60/057,650
PRIOR FILING DATE: 1997-09-05
PRIOR APPLICATION NUMBER: 60/056,884
PRIOR FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: 60/057,669
PRIOR FILING DATE: 1997-09-05

Query Match          90.0%; Score 36; DB 10; Length 117;
Best Local Similarity 100.0%; Pred. No. 6,1e+02;
Matches      5; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

Qy      1 LNMSW 5
DB      30 LNMSW 34

RESULT 5
US-10-108-260A-2983
; Sequence 2983, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2983
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-2983

Query Match          90.0%; Score 36; DB 15; Length 117;
Best Local Similarity 100.0%; Pred. No. 6,1e+02;
Matches      5; Conservative      0; Mismatches      0; Indels      0; Gaps      0;
```

QY 2 NMSWL 6  
| | | |  
DB 20 NMSWL 24

## RESULT 6

US-10-425-114-53485  
; Sequence 53485, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jindong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 53485  
; LENGTH: 206  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 700380171\_FLI.pep  
US-10-425-114-53485

Query Match 90.0%; Score 36; DB 12; Length 206;  
Best Local Similarity 100.0%; Pred. No. 9.4e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 NMSWL 6  
| | | |  
DB 94 NMSWL 98

## RESULT 7

US-10-425-114-58553  
; Sequence 58553, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jindong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 58553  
; LENGTH: 284  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: UC-ZMFLB73245G12\_FLI.pep  
US-10-425-114-58553

Query Match 90.0%; Score 36; DB 12; Length 284;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 NMSWL 6  
| | | |  
DB 128 NMSWL 132

RESULT 8  
US-10-425-114-51905  
; Sequence 51905, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jindong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 51905  
; LENGTH: 287  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 700221591\_FLI.pep  
US-10-425-114-51905

Query Match 90.0%; Score 36; DB 12; Length 287;  
Best Local Similarity 100.0%; Pred. No. 1.2e+03;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 NMSWL 6  
| | | |  
DB 131 NMSWL 135

## RESULT 9

US-10-425-114-65445  
; Sequence 65445, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jindong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 65445  
; LENGTH: 444  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB4765-002-C8\_FLI.pep  
US-10-425-114-65445

Query Match 90.0%; Score 36; DB 12; Length 444;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 NMSWL 6  
| | | |  
DB 332 NMSWL 336

RESULT 10  
US-10-282-122A-73424  
; Sequence 73424, Application US/10282122A  
; Publication No. US20040029129A1



```
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO: 73424
/ LENGTH: 455
/ TYPE: PRF
/ ORGANISM: Salmonella paratyphi A
/ FEATURE:
/ NAME/KEY: MISC_FEATURE
/ LOCATION: (305)..(305)
/ OTHER INFORMATION: X-any amino acid
US-10-282-122A-73424

Query Match          90.0%; Score 36; DB 12; Length 455;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 NMSWL 6
Db      414 NMSWL 418

RESULT 11
US-10-282-122A-74853
/ Sequence 74853, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
```

```
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
/ PRIOR FILING DATE: 2000-09-09
/ PRIOR APPLICATION NUMBER: 60/242,578
/ PRIOR FILING DATE: 2000-10-23
/ PRIOR APPLICATION NUMBER: 60/253,625
/ PRIOR FILING DATE: 2000-11-27
/ PRIOR APPLICATION NUMBER: 60/257,931
/ PRIOR FILING DATE: 2000-12-22
/ PRIOR APPLICATION NUMBER: 60/267,636
/ PRIOR FILING DATE: 2001-02-09
/ PRIOR APPLICATION NUMBER: 60/269,308
/ PRIOR FILING DATE: 2001-02-16
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 78614
/ SOFTWARE: PatentIn version 3.1
/ SEQ ID NO: 74853
/ LENGTH: 460
/ TYPE: PRF
/ ORGANISM: Salmonella typhimurium
US-10-282-122A-74853

Query Match          90.0%; Score 36; DB 12; Length 460;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 NMSWL 6
Db      418 NMSWL 422

RESULT 12
US-10-282-122A-76281
/ Sequence 76281, Application US/10282122A
/ Publication No. US20040029129A1
/ GENERAL INFORMATION:
/ APPLICANT: Wang, Liangsu
/ APPLICANT: Zamudio, Carlos
/ APPLICANT: Malone, Cheryl
/ APPLICANT: Haselbeck, Robert
/ APPLICANT: Ohlsen, Kari
/ APPLICANT: Zyskind, Judith
/ APPLICANT: Wall, Daniel
/ APPLICANT: Trawick, John
/ APPLICANT: Carr, Grant
/ APPLICANT: Yamamoto, Robert
/ APPLICANT: Forsyth, R.
/ APPLICANT: Xu, H.
/ TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
/ FILE REFERENCE: ELITRA.034A
/ CURRENT APPLICATION NUMBER: US/10/282,122A
/ CURRENT FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: 60/191,078
/ PRIOR FILING DATE: 2000-03-21
/ PRIOR APPLICATION NUMBER: 60/206,848
/ PRIOR FILING DATE: 2000-05-23
/ PRIOR APPLICATION NUMBER: 60/207,727
/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: 60/230,335
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/230,347
```

```

; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: Patent version 3.1
; SEQ ID NO 76281
; LENGTH: 460
; TYPE: PRT
; ORGANISM: Salmonella typhi
US-10-282-122A-76281
```

```
Query Match          90.0%; Score 36; DB 12; Length 460;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      2 NMSWL 6
        |||||
Db      418 NMSWL 422
```

```

RESULT 13
US-10-425-114-66792
; Sequence 66792, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(5311)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; PRIOR FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 66792
; LENGTH: 462
; TYPE: PRT
; ORGANISM: Zee mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4746-059-C6_FLI.pep
US-10-425-114-66792
```

```
Query Match          90.0%; Score 36; DB 12; Length 462;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      2 NMSWL 6
        |||||
Db      70 NMSWL 74
```

```

RESULT 14
US-09-815-242-10647
; Sequence 10647, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zykkind, Judith W.
```

```

; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; CURRENT APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10647
; LENGTH: 464
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-815-242-10647
```

```
Query Match          90.0%; Score 36; DB 9; Length 464;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      2 NMSWL 6
        |||||
Db      422 NMSWL 426
```

```

RESULT 15
US-10-282-122A-42561
; Sequence 42561, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
```

```

; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See file Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 42561
; LENGTH: 464
; TYPE: PR1
; ORGANISM: Enterococcus faecalis
US-10-282-122A-42561

```

```

Query Match          90.0%; Score 36; DB 12; Length 464;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      2 NWSWL 6
        |||||
Db      422 NWSWL 426

```

Search completed: March 17, 2004, 18:45:27  
 Job time : 21.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-10

Perfect score: 33

Sequence: 1 LDASWL 6

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database: Published Applications AA.\*

1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/prodata/1/pubpaa/FCI\_NEW\_PUB.pep.\*  
3: /cgn2\_6/prodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
7: /cgn2\_6/prodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/prodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
12: /cgn2\_6/prodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
13: /cgn2\_6/prodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
14: /cgn2\_6/prodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
15: /cgn2\_6/prodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
16: /cgn2\_6/prodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/prodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/prodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	100.0	6	9 US-09-847-940B-10	Sequence 10, Appl
2	33	100.0	6	10 US-09-847-946A-10	Sequence 10, Appl
3	33	100.0	105	9 US-09-738-626-6278	Sequence 6278, Ap
4	33	100.0	684	12 US-10-283-122A-69449	Sequence 69449, A
5	33	100.0	1174	12 US-10-283-122A-50099	Sequence 50099, A
6	33	100.0	1177	12 US-10-283-122A-48238	Sequence 48238, A
7	30	90.9	191	15 US-10-291-265-782	Sequence 782, App
8	30	90.9	221	14 US-10-169-048-2	Sequence 2, Appl
9	30	90.9	261	9 US-09-765-205-14	Sequence 14, Appl
10	30	90.9	261	15 US-10-360-849A-12	Sequence 12, Appl
11	30	90.9	261	15 US-10-360-849A-15	Sequence 15, Appl
12	30	90.9	261	15 US-10-360-849A-18	Sequence 18, Appl
13	30	90.9	277	15 US-10-291-265-310	Sequence 310, App
14	30	90.9	612	12 US-10-283-122A-52265	Sequence 52265, A
15	30	90.9	686	12 US-10-283-122A-67777	Sequence 67777, A

16	30	90.9	919	9 US-09-738-626-6970	Sequence 6970, Ap
17	30	90.9	935	9 US-09-784-208-3	Sequence 3, Appl
18	30	90.9	935	13 US-10-078-107-1	Sequence 1, Appl
19	30	90.9	935	13 US-10-077-751-1	Sequence 1, Appl
20	30	90.9	935	14 US-10-315-023-3	Sequence 3, Appl
21	30	90.9	935	14 US-10-315-023-8	Sequence 8, Appl
22	30	90.9	935	14 US-10-077-745-1	Sequence 1, Appl
23	30	90.9	935	14 US-10-338-915-1	Sequence 1, Appl
24	29	87.9	65	12 US-10-424-599-21133	Sequence 21133, A
25	29	87.9	69	12 US-10-424-599-182512	Sequence 182512, A
26	29	87.9	69	12 US-10-424-599-269884	Sequence 269884, A
27	29	87.9	111	12 US-10-424-599-194298	Sequence 194298, A
28	29	87.9	136	9 US-09-738-973-123	Sequence 123, App
29	29	87.9	136	9 US-09-854-133-123	Sequence 123, App
30	29	87.9	136	14 US-10-144-649A-123	Sequence 123, App
31	29	87.9	143	12 US-10-424-599-153300	Sequence 153300, A
32	29	87.9	183	12 US-10-425-114-53768	Sequence 53768, A
33	29	87.9	238	15 US-10-108-260A-3740	Sequence 3740, Ap
34	29	87.9	243	12 US-10-389-647-675	Sequence 675, App
35	29	87.9	269	15 US-10-369-493-592	Sequence 592, App
36	29	87.9	277	15 US-10-369-493-5377	Sequence 5377, App
37	29	87.9	278	15 US-10-369-493-7867	Sequence 7867, Ap
38	29	87.9	279	15 US-10-369-493-11783	Sequence 11783, A
39	29	87.9	279	15 US-10-369-493-14664	Sequence 14664, A
40	29	87.9	279	15 US-10-369-493-15142	Sequence 15142, A
41	29	87.9	285	15 US-10-369-493-7936	Sequence 7936, Ap
42	29	87.9	286	15 US-10-369-493-821	Sequence 821, App
43	29	87.9	293	15 US-10-369-493-21834	Sequence 21834, A
44	29	87.9	297	9 US-09-981-353-90	Sequence 90, Appl
45	29	87.9	305	9 US-09-815-242-12482	Sequence 12482, A

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-10  
Sequence 10, Application US/09847940B  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 10  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-10

Query Match 100.0%; Score 33; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Cy 1 LDASWL 6  
Db 1 LDASWL 6  
RESULT 2  
US-09-847-946A-10  
Sequence 10, Application US/09847946A  
Publicatoin No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Fingels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 10
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: NBD peptide
US-09-847-946A-10
```

```

Query Match          100.0%; Score 33; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDASWL 6
Db      1 LDASWL 6
```

```

RESULT 3
US-09-738-626-6278
; Sequence 6278, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAOKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OZAKI, AKIO
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059
; SOFTWARE: PatentIn ver. 3.0
; SEQ ID NO: 6278
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6278
```

```

Query Match          100.0%; Score 33; DB 9; Length 105;
Best Local Similarity 100.0%; Pred. No. 1.9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDASWL 6
Db      48 LDASWL 53
```

```

RESULT 4
US-10-282-122A-69449
; Sequence 69449, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 69449
; LENGTH: 684
; TYPE: PRT
; ORGANISM: Pseudomonas syringae
US-10-282-122A-69449
```

```

Query Match          100.0%; Score 33; DB 12; Length 684;
Best Local Similarity 100.0%; Pred. No. 9.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDASWL 6
Db      340 LDASWL 345
```

```

RESULT 5
US-10-282-122A-50099
; Sequence 50099, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zykkind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
```

APPLICANT: Yamamoto, Robert  
APPLICANT: Forevych, R.  
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
FILE REFERENCE: ELITRA.034A  
CURRENT FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/230,335  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 50099  
LENGTH: 1174  
TYPE: PRT  
ORGANISM: Burkholderia mallei  
US-10-282-122A-50099

Query Match 100.0%; Score 33; DB 12; Length 1174;  
Best Local Similarity 100.0%; Pred. No. 1.5e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 116 LDASWL 121

RESULT 6  
US-10-282-122A-48238  
Sequence 48238, Application US/10282122A  
Publication No. US20040029129A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Liangsu  
APPLICANT: Malone, Cheryl  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Karl  
APPLICANT: Zyekind, Judith  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John  
APPLICANT: Carr, Grant  
APPLICANT: Yamamoto, Robert  
APPLICANT: Forevych, R.  
APPLICANT: Xu, H.  
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
FILE REFERENCE: ELITRA.034A  
CURRENT FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/230,335  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 50099  
LENGTH: 1174  
TYPE: PRT  
ORGANISM: Burkholderia mallei  
US-10-282-122A-50099

PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 48238  
LENGTH: 1177  
TYPE: PRT  
ORGANISM: Burkholderia cepacia  
US-10-282-122A-48238

Query Match 100.0%; Score 33; DB 12; Length 1177;  
Best Local Similarity 100.0%; Pred. No. 1.5e+03;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 116 LDASWL 121

RESULT 7  
US-10-291-265-782  
Sequence 782, Application US/10291265  
Publication No. US2003023054A1  
GENERAL INFORMATION:  
APPLICANT: Hyeeg, Inc.  
APPLICANT: Tang et al  
TITLE OF INVENTION: No. US2003023054A1 Nucleic Acids and Polypeptides  
FILE REFERENCE: 21272-017 (785)  
CURRENT FILING DATE: 2000-01-25  
PRIOR APPLICATION NUMBER: 09/491,404  
PRIOR FILING DATE: 2000-01-25  
PRIOR APPLICATION NUMBER: 09/617,746  
PRIOR FILING DATE: 2000-07-17  
PRIOR APPLICATION NUMBER: 09/631,451  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: 09/633,870  
PRIOR FILING DATE: 2000-09-15  
NUMBER OF SEQ ID NOS: 944  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 782  
LENGTH: 191  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-291-265-782

Query Match 90.9%; Score 30; DB 15; Length 191;  
Best Local Similarity 83.3%; Pred. No. 1e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDASWL 6  
Db 161 LDASWL 166

RESULT 8  
US-10-169-048-2  
Sequence 2, Application US/10169048  
Publication No. US20030072769A1  
GENERAL INFORMATION:  
APPLICANT: Clarke, Edna Elizabeth

```

; APPLICANT: Zhou, Liqing
; APPLICANT: Snea, Jacqueline Elizabeth
; APPLICANT: Feldman, Robert Graham
; APPLICANT: Holden, David William
; TITLE OF INVENTION: Streptococcus Pyogenes Virulence Genes and Proteins And Their Use
; FILE REFERENCE: GJE-97
; CURRENT APPLICATION NUMBER: US/10/169,048
; CURRENT FILING DATE: 2002-06-24
; PRIOR APPLICATION NUMBER: PCT/GB00/04997
; PRIOR FILING DATE: 2000-12-22
; NUMBER OF SEQ ID NOS: 62
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 221
; TYPE: PRT
; ORGANISM: Streptococcus pyogenes
US-10-169-048-2

```

```

Query Match          90.9%; Score 30; DB 14; Length 221;
Best Local Similarity 83.3%; Pred. No. 1.2e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 LDASWL 6
DB 36 LDASWL 41

```

```

RESULT 9
US-09-765-205-14
; Sequence 14, Application US/09765205
; Patent No. US20020034800A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Li
; TITLE OF INVENTION: BONE MARROW SECRETED PROTEINS AND POLYNUCLEOTIDES
; FILE REFERENCE: 1458.004/200130.449
; CURRENT APPLICATION NUMBER: US/09/765,205
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US/09/212,440
; PRIOR FILING DATE: 1998-12-16
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 14
; LENGTH: 261
; TYPE: PRT
; ORGANISM: human
US-09-765-205-14

```

```

Query Match          90.9%; Score 30; DB 9; Length 261;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 LDASWL 6
DB 161 LDASWL 166

```

```

RESULT 10
US-10-360-849A-12
; Sequence 12, Application US/10360849A
; Publication No. US20030220249A1
; GENERAL INFORMATION:
; APPLICANT: Discovery Genomics, Inc.
; APPLICANT: Hackett, Perry
; APPLICANT: Nasevicius, Aldas
; APPLICANT: Essner, Jeffrey
; APPLICANT: Clark, Karl
; APPLICANT: Larson, Jon
; APPLICANT: Ekker, Stephen
; APPLICANT: Roberg-Perez, Sharon
; TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,
; TITLE OF INVENTION: BONE FORMATION, AND METHODS OF USE THEREOF
; FILE REFERENCE: 3021.05US02

```

```

; CURRENT APPLICATION NUMBER: US/10/360,849A
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: US 60/354,978
; PRIOR FILING DATE: 2002-02-07
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 12
; LENGTH: 261
; TYPE: PRT
; ORGANISM: danio rerio
US-10-360-849A-12

```

```

Query Match          90.9%; Score 30; DB 15; Length 261;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 LDASWL 6
DB 161 LDASWL 166

```

```

RESULT 11
US-10-360-849A-15
; Sequence 15, Application US/10360849A
; Publication No. US20030220249A1
; GENERAL INFORMATION:
; APPLICANT: Discovery Genomics, Inc.
; APPLICANT: Hackett, Perry
; APPLICANT: Nasevicius, Aldas
; APPLICANT: Essner, Jeffrey
; APPLICANT: Clark, Karl
; APPLICANT: Larson, Jon
; APPLICANT: Ekker, Stephen
; APPLICANT: Roberg-Perez, Sharon
; TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,
; TITLE OF INVENTION: BONE FORMATION, AND METHODS OF USE THEREOF
; FILE REFERENCE: 3021.05US02
; CURRENT APPLICATION NUMBER: US/10/360,849A
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: US 60/354,978
; PRIOR FILING DATE: 2002-02-07
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 15
; LENGTH: 261
; TYPE: PRT
; ORGANISM: mus musculus
US-10-360-849A-15

```

```

Query Match          90.9%; Score 30; DB 15; Length 261;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 LDASWL 6
DB 161 LDASWL 166

```

```

RESULT 12
US-10-360-849A-18
; Sequence 18, Application US/10360849A
; Publication No. US20030220249A1
; GENERAL INFORMATION:
; APPLICANT: Discovery Genomics, Inc.
; APPLICANT: Hackett, Perry
; APPLICANT: Nasevicius, Aldas
; APPLICANT: Essner, Jeffrey
; APPLICANT: Clark, Karl
; APPLICANT: Larson, Jon
; APPLICANT: Ekker, Stephen
; APPLICANT: Roberg-Perez, Sharon
; APPLICANT: Wadman, Shannon

```

;; TITLE OF INVENTION: FACTORS FOR ANGIOGENESIS, VASCULOGENESIS, CARTILAGE FORMATION,  
;; TITLE OF INVENTION: BONE FORMATION, AND METHODS OF USE THEREOF  
;; FILE REFERENCE: 3021.05US02  
;; CURRENT APPLICATION NUMBER: US/10/360,849A  
;; CURRENT FILING DATE: 2003-02-07  
;; PRIOR APPLICATION NUMBER: US 60/354,978  
;; PRIOR FILING DATE: 2002-02-07  
;; NUMBER OF SEQ ID NOS: 72  
;; SOFTWARE: Patent version 3.2  
;; SEQ ID NO: 18  
;; LENGTH: 261  
;; TYPE: PRT  
;; ORGANISM: homo sapiens  
US-10-360-849A-18

Query Match 90.9%; Score 30; DB 15; Length 261;  
Best Local Similarity 83.3%; Pred. No. 1.4e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 161 LDASWV 166

RESULT 13  
US-10-291-265-310  
;; Sequence 310, Application US/10291265  
;; Publication No. US20030232054A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Hyseq, Inc.  
;; APPLICANT: Tang et al  
;; TITLE OF INVENTION: No. US20030232054A1 Nucleic Acids and Polypeptides  
;; FILE REFERENCE: 21272-017 (785)  
;; CURRENT APPLICATION NUMBER: US/10/291,265  
;; PRIOR FILING DATE: 2000-01-25  
;; PRIOR APPLICATION NUMBER: 09/491,404  
;; PRIOR FILING DATE: 2000-01-25  
;; PRIOR APPLICATION NUMBER: 09/517,746  
;; PRIOR FILING DATE: 2000-07-17  
;; PRIOR APPLICATION NUMBER: 09/531,451  
;; PRIOR FILING DATE: 2000-08-03  
;; PRIOR APPLICATION NUMBER: 09/533,870  
;; PRIOR FILING DATE: 2000-09-15  
;; NUMBER OF SEQ ID NOS: 944  
;; SOFTWARE: FastSeq for Windows Version 3.0  
;; SEQ ID NO: 310  
;; LENGTH: 277  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-291-265-310

Query Match 90.9%; Score 30; DB 15; Length 277;  
Best Local Similarity 83.3%; Pred. No. 1.4e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 161 LDASWV 166

RESULT 14  
US-10-282-122A-52265  
;; Sequence 52265, Application US/10282122A  
;; Publication No. US20040029129A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Wang, Liangsu  
;; APPLICANT: Zamudio, Carlos  
;; APPLICANT: Malone, Cheryl  
;; APPLICANT: Haselbeck, Robert  
;; APPLICANT: Ohlsen, Karl  
;; APPLICANT: Zyskind, Judith  
;; APPLICANT: Wall, Daniel  
;; APPLICANT: Trawick, John

;; APPLICANT: Carr, Grant  
;; APPLICANT: Yamamoto, Robert  
;; APPLICANT: Forsyth, R.  
;; APPLICANT: Xu, H.  
;; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
;; FILE REFERENCE: ELITRA.034A  
;; CURRENT APPLICATION NUMBER: US/10/282,122A  
;; CURRENT FILING DATE: 2003-02-20  
;; PRIOR APPLICATION NUMBER: 60/191,078  
;; PRIOR FILING DATE: 2000-03-21  
;; PRIOR APPLICATION NUMBER: 60/206,848  
;; PRIOR FILING DATE: 2000-05-23  
;; PRIOR APPLICATION NUMBER: 60/207,727  
;; PRIOR FILING DATE: 2000-05-26  
;; PRIOR APPLICATION NUMBER: 60/230,335  
;; PRIOR FILING DATE: 2000-09-06  
;; PRIOR APPLICATION NUMBER: 60/230,347  
;; PRIOR FILING DATE: 2000-09-09  
;; PRIOR APPLICATION NUMBER: 60/242,578  
;; PRIOR FILING DATE: 2000-10-23  
;; PRIOR APPLICATION NUMBER: 60/253,625  
;; PRIOR FILING DATE: 2000-11-27  
;; PRIOR APPLICATION NUMBER: 60/257,931  
;; PRIOR FILING DATE: 2000-12-22  
;; PRIOR APPLICATION NUMBER: 60/267,636  
;; PRIOR FILING DATE: 2001-02-09  
;; PRIOR APPLICATION NUMBER: 60/269,308  
;; PRIOR FILING DATE: 2001-02-16  
;; Remaining prior application data removed - See file wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 78614  
;; SOFTWARE: Patent version 3.1  
;; SEQ ID NO: 52265  
;; LENGTH: 612  
;; TYPE: PRT  
;; ORGANISM: Clostridium botulinum  
US-10-282-122A-52265

Query Match 90.9%; Score 30; DB 12; Length 612;  
Best Local Similarity 83.3%; Pred. No. 2.8e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
Db 406 LDSSWL 411

RESULT 15  
US-10-282-122A-67777  
;; Sequence 67777, Application US/10282122A  
;; Publication No. US20040029129A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Wang, Liangsu  
;; APPLICANT: Zamudio, Carlos  
;; APPLICANT: Malone, Cheryl  
;; APPLICANT: Haselbeck, Robert  
;; APPLICANT: Ohlsen, Karl  
;; APPLICANT: Zyskind, Judith  
;; APPLICANT: Wall, Daniel  
;; APPLICANT: Trawick, John  
;; APPLICANT: Carr, Grant  
;; APPLICANT: Yamamoto, Robert  
;; APPLICANT: Forsyth, R.  
;; APPLICANT: Xu, H.  
;; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
;; FILE REFERENCE: ELITRA.034A  
;; CURRENT APPLICATION NUMBER: US/10/282,122A  
;; CURRENT FILING DATE: 2003-02-20  
;; PRIOR APPLICATION NUMBER: 60/191,078  
;; PRIOR FILING DATE: 2000-03-21  
;; PRIOR APPLICATION NUMBER: 60/206,848  
;; PRIOR FILING DATE: 2000-05-23  
;; PRIOR APPLICATION NUMBER: 60/207,727  
;; PRIOR FILING DATE: 2000-05-26



PRIOR APPLICATION NUMBER: 60/230,335  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 67777  
LENGTH: 686  
TYPE: PRT  
ORGANISM: Pseudomonas putida  
FEATURE:  
NAME/KEY: MISC\_FEATURE  
LOCATION: (40)..(40)  
OTHER INFORMATION: X-any amino acid  
US-10-282-122A-67777

Query Match 90.9%; Score 30; DB 12; Length 686;  
Best Local Similarity 83.3%; Pred. No. 3.1e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDASWL 6  
DB 346 LDASWL 351

Search completed: March 17, 2004, 18:45:28  
Job time : 22.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds

(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-11

Perfect score: 35

Sequence: 1 LDPSWL 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/prodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/prodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/prodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/prodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
9: /cgn2\_6/prodata/1/pubpaa/US09A\_PUBCOMB.pep.\*  
10: /cgn2\_6/prodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
11: /cgn2\_6/prodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/prodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
13: /cgn2\_6/prodata/1/pubpaa/US10A\_PUBCOMB.pep.\*  
14: /cgn2\_6/prodata/1/pubpaa/US10B\_PUBCOMB.pep.\*  
15: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
17: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
18: /cgn2\_6/prodata/1/pubpaa/US60\_NEW\_PUB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	35	100.0	6	9 US-09-847-940B-11	Sequence 11, Appl
2	35	100.0	6	10 US-09-847-946A-11	Sequence 11, Appl
3	35	100.0	6	10 US-09-847-946A-42	Sequence 42, Appl
4	35	100.0	6	10 US-09-847-946A-84	Sequence 84, Appl
5	35	100.0	7	10 US-09-847-946A-88	Sequence 88, Appl
6	35	100.0	8	10 US-09-847-946A-81	Sequence 81, Appl
7	35	100.0	8	10 US-09-847-946A-89	Sequence 89, Appl
8	35	100.0	9	10 US-09-847-946A-80	Sequence 80, Appl
9	35	100.0	9	10 US-09-847-946A-83	Sequence 83, Appl
10	35	100.0	9	10 US-09-847-946A-86	Sequence 86, Appl
11	35	100.0	9	10 US-09-847-946A-87	Sequence 87, Appl
12	35	100.0	10	10 US-09-847-946A-82	Sequence 82, Appl
13	35	100.0	10	10 US-09-847-946A-85	Sequence 85, Appl
14	35	100.0	11	10 US-09-847-946A-79	Sequence 79, Appl
15	35	100.0	484	12 US-10-282-122A-49573	Sequence 49573, A

15	33	94.3	265	9	US-09-881-752A-368	Sequence 368, App
17	33	94.3	868	15	US-10-369-493-22465	Sequence 22465, A
18	32	91.4	6	9	US-09-847-940B-12	Sequence 12, Appl
19	32	91.4	6	10	US-09-847-946A-12	Sequence 12, Appl
20	32	91.4	6	10	US-09-847-946A-95	Sequence 95, Appl
21	32	91.4	7	10	US-09-847-946A-99	Sequence 99, Appl
22	32	91.4	8	10	US-09-847-946A-92	Sequence 92, Appl
23	32	91.4	8	10	US-09-847-946A-100	Sequence 100, App
24	32	91.4	9	10	US-09-847-946A-91	Sequence 91, Appl
25	32	91.4	9	10	US-09-847-946A-94	Sequence 94, Appl
26	32	91.4	9	10	US-09-847-946A-97	Sequence 97, Appl
27	32	91.4	9	10	US-09-847-946A-98	Sequence 98, Appl
28	32	91.4	10	10	US-09-847-946A-93	Sequence 93, Appl
29	32	91.4	10	10	US-09-847-946A-96	Sequence 96, Appl
30	32	91.4	11	10	US-09-847-946A-90	Sequence 90, Appl
31	32	91.4	439	12	US-10-282-122A-68227	Sequence 68227, A
32	31	88.6	61	12	US-10-424-599-155428	Sequence 155428, A
33	31	88.6	64	12	US-10-424-599-178911	Sequence 178911, A
34	31	88.6	64	12	US-10-424-599-273735	Sequence 273735, A
35	31	88.6	91	12	US-10-424-599-254023	Sequence 254023, A
36	31	88.6	106	11	US-09-864-408A-5624	Sequence 5624, Ap
37	31	88.6	111	12	US-10-424-599-189937	Sequence 189937, A
38	31	88.6	116	12	US-10-424-599-189964	Sequence 189964, A
39	31	88.6	122	12	US-10-425-114-51421	Sequence 51421, A
40	31	88.6	125	14	US-10-424-599-185109	Sequence 185109, A
41	31	88.6	236	14	US-10-277-693A-11	Sequence 11, Appl
42	31	88.6	239	8	US-08-726-211-5	Sequence 5, Appl
43	31	88.6	239	12	US-10-003-632C-1	Sequence 1, Appl
44	31	88.6	239	12	US-10-003-632C-3	Sequence 3, Appl
45	31	88.6	239	12	US-10-003-632C-10	Sequence 10, Appl

## ALIGNMENTS

RESULT 1  
US-09-847-940B-11  
Sequence 11, Application US/09847940B  
Patent No. US2002015600A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 11  
LENGTH: 6  
TYPE: PRM  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-11

Query Match 100.0%; Score 35; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDPSWL 6  
DB 1 LDPSWL 6

RESULT 2  
US-09-847-946A-11  
Sequence 11, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 11
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-11
```

```

Query Match          100.0%; Score 35; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDPSWL 6
        |||||
DB      1 LDPSWL 6
```

```

RESULT 3
US-09-847-946A-42
; Sequence 42, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 42
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-42
```

```

Query Match          100.0%; Score 35; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDPSWL 6
        |||||
DB      1 LDPSWL 6
```

```

RESULT 4
US-09-847-946A-84
; Sequence 84, Application US/09847946A
; Publication No. US20030054999A1
```

```

; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 84
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-84
```

```

Query Match          100.0%; Score 35; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDPSWL 6
        |||||
DB      1 LDPSWL 6
```

```

RESULT 5
US-09-847-946A-88
; Sequence 88, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO: 88
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-88
```

```

Query Match          100.0%; Score 35; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDPSWL 6
        |||||
DB      1 LDPSWL 6
```

```

RESULT 6
```

US-09-847-946A-81  
; Sequence 81, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 81  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-81

Query Match 100.0%; Score 35; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDFSWL 6  
Db 3 LDFSWL 8

RESULT 7  
US-09-847-946A-89  
; Sequence 89, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 89  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-89

Query Match 100.0%; Score 35; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDFSWL 6  
Db 1 LDFSWL 6

RESULT 8  
US-09-847-946A-80  
; Sequence 80, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 80  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-80

Query Match 100.0%; Score 35; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDFSWL 6  
Db 1 LDFSWL 6

RESULT 9  
US-09-847-946A-83  
; Sequence 83, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 83  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-83

Query Match 100.0%; Score 35; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFSWL 6  
111111  
Db 1 LDFSWL 6

## RESULT 10

US-09-847-946A-86  
; Sequence 86, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamid, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 86  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-86

Query Match 100.0%; Score 35; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFSWL 6  
111111  
Db 3 LDFSWL 8

## RESULT 11

US-09-847-946A-87  
; Sequence 87, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamid, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 87  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-87

Query Match 100.0%; Score 35; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 LDFSWL 6  
111111  
Db 2 LDFSWL 7

## RESULT 12

US-09-847-946A-82  
; Sequence 82, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamid, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 82  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-82

Query Match 100.0%; Score 35; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 14;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDFSWL 6  
111111  
Db 2 LDFSWL 7

## RESULT 13

US-09-847-946A-85  
; Sequence 85, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamid, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PFI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 85  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-85

US-09-847-946A-85

Query Match 100.0%; Score 35; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 14;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFSML 6  
Db 3 LDFSML 8

RESULT 14

US-09-847-946A-79  
; Sequence 79, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Pindale, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hamling, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PRI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 79  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-79

Query Match 100.0%; Score 35; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 15;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFSML 6  
Db 3 LDFSML 8

RESULT 15

US-10-282-122A-49573  
; Sequence 49573, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Llangou  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haseibeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyckind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA 034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848

; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 49573  
; LENGTH: 484  
; TYPE: PRT  
; ORGANISM: Burkholderia fungorum  
US-10-282-122A-49573

Query Match 100.0%; Score 35; DB 12; Length 484;  
Best Local Similarity 100.0%; Pred. No. 3,8e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDFSML 6  
Db 383 LDFSML 388

Search completed: March 17, 2004, 18:45:29  
Job time : 22.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds

(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-12

Sequence: 36  
1 LDYSWL 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications AA:\*

- 1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/prodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/prodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/prodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/prodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/prodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/prodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 11: /cgn2\_6/prodata/1/pubpaa/US09C\_NEW\_PUB.pep.\*
- 12: /cgn2\_6/prodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 13: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 14: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 15: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/prodata/1/pubpaa/US10C\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/prodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/prodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	36	100.0	6	9 US-09-847-946A-12	Sequence 12, Appl
2	36	100.0	6	10 US-09-847-946A-12	Sequence 12, Appl
3	36	100.0	6	10 US-09-847-946A-95	Sequence 95, Appl
4	36	100.0	7	10 US-09-847-946A-99	Sequence 99, Appl
5	36	100.0	8	10 US-09-847-946A-92	Sequence 92, Appl
6	36	100.0	8	10 US-09-847-946A-100	Sequence 100, Appl
7	36	100.0	9	10 US-09-847-946A-91	Sequence 91, Appl
8	36	100.0	9	10 US-09-847-946A-97	Sequence 97, Appl
9	36	100.0	9	10 US-09-847-946A-98	Sequence 98, Appl
10	36	100.0	10	10 US-09-847-946A-93	Sequence 93, Appl
11	36	100.0	10	10 US-09-847-946A-96	Sequence 96, Appl
12	36	100.0	11	10 US-09-847-946A-90	Sequence 90, Appl
13	36	100.0	11	10 US-10-074-978A-310	Sequence 310, Appl
14	33	91.7	73	15 US-10-074-978A-310	Sequence 310, Appl
15	33	91.7	139	12 US-10-424-599-261463	Sequence 261463,

16	33	91.7	314	15 US-10-074-978A-66	Sequence 66, Appl
17	33	91.7	320	15 US-10-074-978A-68	Sequence 68, Appl
18	33	91.7	404	14 US-10-225-567A-480	Sequence 480, Appl
19	33	91.7	404	15 US-10-074-978A-64	Sequence 64, Appl
20	33	91.7	404	15 US-10-074-978A-304	Sequence 304, Appl
21	32	88.9	6	9 US-09-847-946A-11	Sequence 11, Appl
22	32	88.9	6	10 US-09-847-946A-11	Sequence 11, Appl
23	32	88.9	6	10 US-09-847-946A-42	Sequence 42, Appl
24	32	88.9	6	10 US-09-847-946A-84	Sequence 84, Appl
25	32	88.9	7	10 US-09-847-946A-88	Sequence 88, Appl
26	32	88.9	8	10 US-09-847-946A-81	Sequence 81, Appl
27	32	88.9	8	10 US-09-847-946A-89	Sequence 89, Appl
28	32	88.9	9	10 US-09-847-946A-80	Sequence 80, Appl
29	32	88.9	9	10 US-09-847-946A-83	Sequence 83, Appl
30	32	88.9	9	10 US-09-847-946A-86	Sequence 86, Appl
31	32	88.9	9	10 US-09-847-946A-87	Sequence 87, Appl
32	32	88.9	10	10 US-09-847-946A-82	Sequence 82, Appl
33	32	88.9	10	10 US-09-847-946A-85	Sequence 85, Appl
34	32	88.9	11	10 US-09-847-946A-79	Sequence 79, Appl
35	32	88.9	69	9 US-09-864-761-36612	Sequence 36612, A
36	32	88.9	71	10 US-09-969-730-172	Sequence 172, App
37	32	88.9	71	10 US-10-621-363-172	Sequence 172, App
38	32	88.9	72	10 US-09-774-639-171	Sequence 171, App
39	32	88.9	168	12 US-10-424-599-270766	Sequence 270766,
40	32	88.9	169	12 US-10-424-599-193422	Sequence 193422,
41	32	88.9	278	14 US-10-420-511-11	Sequence 11, Appl
42	32	88.9	403	12 US-10-424-599-170818	Sequence 170818,
43	32	88.9	404	14 US-10-307-294-8	Sequence 8, Appl
44	32	88.9	484	12 US-10-282-122A-49573	Sequence 49573, A
45	32	88.9	547	15 US-10-369-493-11197	Sequence 11197, A

#### ALIGNMENTS

RESULT 1  
US-09-847-946A-12  
Sequence 12, Application US/09847940B  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
INVENTOR: Ghosh, Sanjay  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
CURRENT FILING DATE: 2001-05-02  
PRIORITY APPLICATION NUMBER: 09/643,260  
PRIORITY FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 12  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-946A-12

Query Match 100.0%; Score 36; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Oy 1 LDYSWL 6  
Db 1 LDYSWL 6  
RESULT 2  
US-09-847-946A-12  
Sequence 12, Application US/09847940B  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

APPLICANT: Ghosh, Sankar  
APPLICANT: Findels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 12  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NBD peptide  
US-09-847-946A-12

Query Match 100.0%; Score 36; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDYSWL 6  
|||  
Db 1 LDYSWL 6

RESULT 3  
US-09-847-946A-95  
Sequence 95, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 95  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-95

Query Match 100.0%; Score 36; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDYSWL 6  
|||  
Db 1 LDYSWL 6

RESULT 4  
US-09-847-946A-99  
Sequence 99, Application US/09847946A  
Publication No. US20030054999A1

GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 99  
LENGTH: 7  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-99

Query Match 100.0%; Score 36; DB 10; Length 7;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDYSWL 6  
|||  
Db 1 LDYSWL 6

RESULT 5  
US-09-847-946A-92  
Sequence 92, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J  
APPLICANT: Ghosh, Sankar  
APPLICANT: Findels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 92  
LENGTH: 8  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-92

Query Match 100.0%; Score 36; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LDYSWL 6  
|||  
Db 3 LDYSWL 8

RESULT 6



```
US-09-847-946A-100
; Sequence 100, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 100
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-100

Query Match          100.0%; Score 36; DB 10; Length 8;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDYSWL 6
Db      1 LDYSWL 6

RESULT 7
US-09-847-946A-91
; Sequence 91, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 91
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-91

Query Match          100.0%; Score 36; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDYSWL 6
Db      1 LDYSWL 6
```

```
RESULT 8
US-09-847-946A-94
; Sequence 94, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 94
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-94

Query Match          100.0%; Score 36; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDYSWL 6
Db      1 LDYSWL 6

RESULT 9
US-09-847-946A-97
; Sequence 97, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 97
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-97

Query Match          100.0%; Score 36; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 LDYSWL 6  
|||||  
Db 3 LDYSWL 8

## RESULT 10

US-09-847-946A-98  
; Sequence 98, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 98  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-98

Query Match Best Local Similarity 100.0%; Score 36; DB 10; Length 9;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6  
|||||  
Db 2 LDYSWL 7

## RESULT 11

US-09-847-946A-93  
; Sequence 93, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 93  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-93

Query Match 100.0%; Score 36; DB 10; Length 10;

Best Local Similarity 100.0%; Pred. No. 11;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 LDYSWL 6  
|||||  
Db 2 LDYSWL 7

## RESULT 12

US-09-847-946A-96  
; Sequence 96, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 96  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-96

Query Match Best Local Similarity 100.0%; Score 36; DB 10; Length 10;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDYSWL 6  
|||||  
Db 3 LDYSWL 8

## RESULT 13

US-09-847-946A-90  
; Sequence 90, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 90  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-90

US-09-847-946A-90

Query Match Similarity 100.0%; Score 36; DB 10; Length 11;  
 Best Local Similarity 100.0%; Pred. No. 12;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
 |||||  
 Db 3 LDYSWL 8

RESULT 14

US-10-074-978A-310  
 ; Sequence 310, Application US/10074978A  
 ; Publication No. US20040010119A1

GENERAL INFORMATION:

APPLICANT: Leite, Mario  
 APPLICANT: Spytek, Kimberly A  
 APPLICANT: Guo, Xiaojia (Sasha)  
 APPLICANT: Fernandes, Elma  
 APPLICANT: Li, Li  
 APPLICANT: Kekuda, Rameesh  
 APPLICANT: Liu, Xiahong  
 APPLICANT: Caeman, Stacie  
 APPLICANT: Boldog, Ferenc  
 APPLICANT: Patuturajan, Meera  
 APPLICANT: Blalock, Angela  
 APPLICANT: Ballinger, Robert  
 APPLICANT: Vernet, Corine  
 APPLICANT: Tchernev, Velizar T  
 APPLICANT: Malyankar, Urfel M  
 APPLICANT: Gusev, Vladimir  
 APPLICANT: Rastelli, Luca  
 APPLICANT: Mezes, Peter S  
 APPLICANT: Ellerman, Karen  
 APPLICANT: Heyes, Melvin P  
 APPLICANT: Herman, John  
 APPLICANT: Pena, Carol E A  
 APPLICANT: Shinketo, Richard A  
 APPLICANT: Taupier Jr, Raymond J  
 APPLICANT: Moore, No. US20040010119A111e  
 APPLICANT: Shenoy, Suresh  
 APPLICANT: Edinger, Shlomit  
 APPLICANT: Gunther, Erik  
 APPLICANT: Stone, Dave  
 APPLICANT: Miller, Isabelle  
 APPLICANT: Peyman, John  
 APPLICANT: Smithson, Glenda  
 TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME  
 FILE REFERENCE: 21402-269  
 CURRENT APPLICATION NUMBER: US/10/074,978A  
 CURRENT FILING DATE: 2003-01-07  
 PRIOR APPLICATION NUMBER: 60/268,221  
 PRIOR FILING DATE: 2001-02-12  
 PRIOR APPLICATION NUMBER: 60/335,109  
 PRIOR FILING DATE: 2001-10-31  
 PRIOR APPLICATION NUMBER: 60/312,284  
 PRIOR FILING DATE: 2001-08-14  
 PRIOR APPLICATION NUMBER: 60/268,496  
 PRIOR FILING DATE: 2001-02-13  
 PRIOR APPLICATION NUMBER: 60/276,703  
 PRIOR FILING DATE: 2001-03-16  
 PRIOR APPLICATION NUMBER: 60/330,293  
 PRIOR FILING DATE: 2001-10-18  
 PRIOR APPLICATION NUMBER: 60/322,127  
 PRIOR FILING DATE: 2001-11-21  
 PRIOR APPLICATION NUMBER: 60/280,899  
 PRIOR FILING DATE: 2001-04-02  
 PRIOR APPLICATION NUMBER: 60/310,797  
 PRIOR FILING DATE: 2001-08-08  
 PRIOR APPLICATION NUMBER: 60/268,646  
 PRIOR FILING DATE: 2001-02-14  
 Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 547  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 310  
 ; LENGTH: 73  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-074-978A-310

Query Match Similarity 91.7%; Score 33; DB 15; Length 73;  
 Best Local Similarity 83.3%; Pred. No. 1.8e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
 |||||  
 Db 46 LDYSWL 51

RESULT 15

US-10-424-599-261463  
 ; Sequence 261463, Application US/10424599  
 ; Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa Thomas J  
 APPLICANT: Kovalic David K  
 APPLICANT: Zhou Yihua  
 APPLICANT: Cao Yongwei  
 TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
 FILE REFERENCE: 38-21(53223)B  
 CURRENT APPLICATION NUMBER: US/10/424,599  
 CURRENT FILING DATE: 2003-04-28  
 NUMBER OF SEQ ID NOS: 265684  
 SEQ ID NO 261463  
 LENGTH: 139  
 TYPE: PRT  
 ORGANISM: Glycine max  
 FEATURE:  
 NAME/KEY: unsure  
 LOCATION: (1)..(139)  
 OTHER INFORMATION: unsure at all Xaa locations  
 FEATURE:  
 OTHER INFORMATION: Clone ID: PAT\_MRT3847\_78123C.1.pap  
 US-10-424-599-261463

Query Match Similarity 91.7%; Score 33; DB 12; Length 139;  
 Best Local Similarity 83.3%; Pred. No. 3.2e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDYSWL 6  
 |||||  
 Db 99 LDYSWL 104

Search completed: March 17, 2004, 18:45:29  
 Job time: 21.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

## OM protein - protein search, using SW model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-13

Sequence: 1 LDMASL 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database:

```
1: /cgn2_6/prodata/1/pubppa/US07_PUBCOMB.pep:*
2: /cgn2_6/prodata/1/pubppa/PCRT_NEW_PUB.pep:*
3: /cgn2_6/prodata/1/pubppa/US06_NEW_PUB.pep:*
4: /cgn2_6/prodata/1/pubppa/US06_PUBCOMB.pep:*
5: /cgn2_6/prodata/1/pubppa/US07_NEW_PUB.pep:*
6: /cgn2_6/prodata/1/pubppa/PCRTUS_PUBCOMB.pep:*
7: /cgn2_6/prodata/1/pubppa/US08_NEW_PUB.pep:*
8: /cgn2_6/prodata/1/pubppa/US08_PUBCOMB.pep:*
9: /cgn2_6/prodata/1/pubppa/US09_PUBCOMB.pep:*
10: /cgn2_6/prodata/1/pubppa/US09_PUBCOMB.pep:*
11: /cgn2_6/prodata/1/pubppa/US09_NEW_PUB.pep:*
12: /cgn2_6/prodata/1/pubppa/US10_PUBCOMB.pep:*
13: /cgn2_6/prodata/1/pubppa/US10_PUBCOMB.pep:*
14: /cgn2_6/prodata/1/pubppa/US10_PUBCOMB.pep:*
15: /cgn2_6/prodata/1/pubppa/US10_NEW_PUB.pep:*
16: /cgn2_6/prodata/1/pubppa/US10_NEW_PUB.pep:*
17: /cgn2_6/prodata/1/pubppa/US60_NEW_PUB.pep:*
18: /cgn2_6/prodata/1/pubppa/US60_PUBCOMB.pep:*
```

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	100.0	6	9 US-09-847-940B-13	Sequence 13, Appl
2	33	100.0	6	10 US-09-847-946A-13	Sequence 13, Appl
3	33	100.0	451	12 US-10-282-122A-48001	Sequence 48001, A
4	31	93.9	53	14 US-10-148-786A-25	Sequence 25, Appl
5	31	93.9	77	14 US-10-148-786A-8	Sequence 8, Appl
6	31	93.9	333	15 US-10-369-493-2852	Sequence 2852, Ap
7	31	93.9	334	15 US-10-217-574-18	Sequence 18, Appl
8	31	93.9	334	15 US-10-217-574-18	Sequence 18, Appl
9	31	93.9	502	9 US-09-895-072-13	Sequence 13, Appl
10	31	93.9	502	9 US-09-986-552-13	Sequence 13, Appl
11	31	93.9	502	14 US-10-023-888-16	Sequence 16, Appl
12	31	93.9	502	14 US-10-023-889-16	Sequence 16, Appl
13	31	93.9	502	14 US-10-023-890-16	Sequence 16, Appl
14	31	93.9	502	14 US-10-024-197-16	Sequence 16, Appl
15	31	93.9	502	14 US-10-023-894-16	Sequence 16, Appl

16	31	93.9	502	14 US-10-306-686-13	Sequence 13, Appl
17	31	93.9	652	15 US-10-120-801-91	Sequence 91, Appl
18	31	93.9	984	13 US-10-028-905-10	Sequence 10, Appl
19	31	93.9	984	15 US-10-354-358-106	Sequence 106, App
20	31	93.9	1394	14 US-10-369-493-22353	Sequence 22353, A
21	30	90.9	138	14 US-10-029-386-41138	Sequence 34138, A
22	30	90.9	191	12 US-10-424-599-158546	Sequence 158546,
23	30	90.9	208	15 US-10-369-493-23401	Sequence 23401, A
24	30	90.9	368	12 US-10-282-122A-49942	Sequence 49942, A
25	30	90.9	403	14 US-10-156-761-14428	Sequence 14428, A
26	30	90.9	476	15 US-10-310-154-397	Sequence 397, App
27	30	90.9	516	13 US-10-119-635-2	Sequence 2, Appl1
28	30	90.9	1293	15 US-10-084-846A-50	Sequence 50, Appl1
29	30	90.9	2747	15 US-10-402-842-2	Sequence 2, Appl1
30	30	90.9	19725	15 US-10-084-846A-4	Sequence 4, Appl1
31	29	87.9	175	15 US-10-320-797-3024	Sequence 2, Ap
32	29	87.9	195	12 US-10-425-114-70395	Sequence 70395, A
33	29	87.9	203	12 US-10-425-114-53792	Sequence 53792, A
34	29	87.9	203	14 US-10-262-473-4	Sequence 4, Appl1
35	29	87.9	223	14 US-10-262-473-2	Sequence 2, Appl1
36	29	87.9	226	12 US-10-424-599-195787	Sequence 195787,
37	29	87.9	228	15 US-10-084-846A-16	Sequence 16, Appl
38	29	87.9	250	12 US-10-425-114-59435	Sequence 59435, A
39	29	87.9	255	12 US-10-282-122A-51101	Sequence 51101, A
40	29	87.9	267	14 US-10-156-761-14290	Sequence 14290, A
41	29	87.9	292	14 US-10-238-075-101	Sequence 301, App
42	29	87.9	297	10 US-09-557-796-30	Sequence 30, Appl
43	29	87.9	309	12 US-10-282-122A-77504	Sequence 77504, A
44	29	87.9	350	14 US-10-314-657-11	Sequence 11, Appl
45	29	87.9	306	12 US-10-424-599-196993	Sequence 196993,

## ALIGNMENTS

```
RESULT 1
US-09-847-940B-13
; Sequence 13, Application US/09847940B
; Patent No. US20020156000A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J.
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-117CP
; CURRENT APPLICATION NUMBER: US/09/847,940B
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 13
; LENGTH: 6
; TYPE: PRT
; FEATURE:
; ORGANISM: Artificial Sequence
; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants
US-09-847-940B-13

Query Match      100.0%; Score 33; DB 9; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDMASL 6
Db      1 LDMASL 6

RESULT 2
US-09-847-946A-13
; Sequence 13, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
```

APPLICANT: Ghosh, Sankar  
APPLICANT: Pindis, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 13  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD peptide  
US-09-847-946A-13

Query Match 100.0%; Score 33; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6  
DB 1 LDMSAL 6

RESULT 3  
US-10-282-122A-48001  
Sequence 48001, Application US/10282122A  
Publication No. US20040029129A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Liangou  
APPLICANT: Zamudio, Carlos  
APPLICANT: Malone, Cheryl  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Karl  
APPLICANT: Zyskind, Judith  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John  
APPLICANT: Carr, Grant  
APPLICANT: Yamamoto, Robert  
APPLICANT: Foreyeth, R.  
APPLICANT: Xu, H.  
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
FILE REFERENCE: ELITRA 0348  
CURRENT APPLICATION NUMBER: US/10/282,122A  
CURRENT FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/230,335  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See file wrapper or PALM.

NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 48001  
LENGTH: 451  
TYPE: PRT  
ORGANISM: Burkholderia cepacia  
US-10-282-122A-48001

Query Match 100.0%; Score 33; DB 13; Length 451;  
Best Local Similarity 100.0%; Pred. No. 7.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6  
DB 78 LDMSAL 83

RESULT 4  
US-10-148-786A-25  
Sequence 25, Application US/10148786A  
Publication No. US20030143656A1  
GENERAL INFORMATION:  
APPLICANT: Alessi, Dario  
APPLICANT: Biondi, Riccardo  
TITLE OF INVENTION: Protein Kinase Regulation  
FILE REFERENCE: 002.00210  
CURRENT APPLICATION NUMBER: US/10/148,786A  
CURRENT FILING DATE: 2003-01-08  
NUMBER OF SEQ ID NOS: 68  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 53  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Polypeptide  
US-10-148-786A-25

Query Match 93.9%; Score 31; DB 14; Length 53;  
Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6  
DB 12 LDMSAL 17

RESULT 5  
US-10-148-786A-8  
Sequence 8, Application US/10148786A  
Publication No. US20030143656A1  
GENERAL INFORMATION:  
APPLICANT: Alessi, Dario  
APPLICANT: Biondi, Riccardo  
TITLE OF INVENTION: Protein Kinase Regulation  
FILE REFERENCE: 002.00210  
CURRENT APPLICATION NUMBER: US/10/148,786A  
CURRENT FILING DATE: 2003-01-08  
NUMBER OF SEQ ID NOS: 68  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 77  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Polypeptide  
US-10-148-786A-8

Query Match 93.9%; Score 31; DB 14; Length 77;  
Best Local Similarity 83.3%; Pred. No. 3.3e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6

Db :|||||  
12 LDMSAL 17

RESULT 6  
US-10-369-493-2852  
; Sequence 2852, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; PRIOR FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 2852  
; LENGTH: 333  
; TYPE: PRT  
; ORGANISM: *Synechocystis* sp.  
US-10-369-493-2852

Query Match 93.9%; Score 31; DB 15; Length 333;  
Best Local Similarity 83.3%; Pred. No. 1.2e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6  
:|||||  
Db 146 LDMSAL 151

RESULT 7  
US-10-217-574-18  
; Sequence 18, Application US/10217574  
; Publication No. US2004005687A1  
; GENERAL INFORMATION:  
; APPLICANT: Barford, David  
; APPLICANT: Yang, Jing  
; APPLICANT: Hemmings, Brian A  
; APPLICANT: Cron, Peter D  
; TITLE OF INVENTION: Kinase Crystal Structures  
; FILE REFERENCE: 44237  
; CURRENT APPLICATION NUMBER: US/10/217,574  
; PRIOR FILING DATE: 2002-12-23  
; PRIOR APPLICATION NUMBER: GB 0119860.5  
; PRIOR FILING DATE: 2001-08-14  
; PRIOR APPLICATION NUMBER: GB 0209985.1  
; PRIOR FILING DATE: 2002-05-01  
; PRIOR APPLICATION NUMBER: GB 0216215.4  
; PRIOR FILING DATE: 2002-07-12  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 18  
; LENGTH: 334  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Sequence source  
US-10-217-574-18

Query Match 93.9%; Score 31; DB 15; Length 334;  
Best Local Similarity 83.3%; Pred. No. 1.2e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6  
:|||||

Db 269 LDMSAL 274

RESULT 8  
US-10-217-555-18  
; Sequence 18, Application US/10217555  
; Publication No. US20040009569A1  
; GENERAL INFORMATION:  
; APPLICANT: Barford, David  
; APPLICANT: Yang, Jing  
; APPLICANT: Hemmings, Brian A  
; APPLICANT: Cron, Peter D  
; TITLE OF INVENTION: Kinase Crystal Structures and Materials and Methods for  
; TITLE OF INVENTION: Kinase Activation  
; FILE REFERENCE: 44236  
; CURRENT APPLICATION NUMBER: US/10/217,555  
; PRIOR FILING DATE: 2002-12-05  
; PRIOR APPLICATION NUMBER: GB 0119860.5  
; PRIOR FILING DATE: 2001-08-14  
; PRIOR APPLICATION NUMBER: GB 0209985.1  
; PRIOR FILING DATE: 2002-05-01  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 18  
; LENGTH: 334  
; TYPE: PRT  
; ORGANISM: Unknown Organism  
; FEATURE:  
; OTHER INFORMATION: Description of Unknown Organism: Sequence source  
US-10-217-555-18

Query Match 93.9%; Score 31; DB 15; Length 334;  
Best Local Similarity 83.3%; Pred. No. 1.2e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6  
:|||||  
Db 269 LDMSAL 274

RESULT 9  
US-09-895-072-13  
; Sequence 13, Application US/09895072  
; Patent No. US2002025550A1  
; GENERAL INFORMATION:  
; APPLICANT: CANFIELD, WILLIAM M  
; TITLE OF INVENTION: METHODS FOR PRODUCING HIGHLY PHOSPHORYLATED LYSOSOMAL HYDROLASES  
; FILE REFERENCE: 210119USOCNT  
; CURRENT APPLICATION NUMBER: US/09/895,072  
; PRIOR FILING DATE: 2001-07-02  
; PRIOR APPLICATION NUMBER: 60/153,831  
; PRIOR FILING DATE: 1999-09-14  
; PRIOR APPLICATION NUMBER: US 09/635,872  
; PRIOR FILING DATE: 2000-08-10  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 502  
; TYPE: PRT  
; ORGANISM: *Drosophila melanogaster*  
US-09-895-072-13

Query Match 93.9%; Score 31; DB 9; Length 502;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSAL 6  
:|||||  
Db 372 LDMSAL 377

RESULT 10

```
US-09-986-552-13
; Sequence 13, Application US/09986552
; Patent No. US20020150981A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: METHODS FOR PRODUCING HIGHLY PHOSPHORYLATED LYSOSOMAL HYDROLASES
; FILE REFERENCE: 215089877DIV
; CURRENT APPLICATION NUMBER: US/09/986,552
; CURRENT FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: 09/635,872
; PRIOR FILING DATE: 2000-08-10
; PRIOR APPLICATION NUMBER: 60/153,831
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-986-552-13

Query Match          93.9%; Score 31; DB 9; Length 502;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDMSAL 6
        |||||:
Db      372 LDMSAM 377

RESULT 11
US-10-023-888-16
; Sequence 16, Application US/10023888
; Publication No. US20030119088A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: SOLUBLE GLCNAC PHOSPHOTRANSFERASE
; FILE REFERENCE: 203515US77
; CURRENT APPLICATION NUMBER: US/10/023,888
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-023-888-16

Query Match          93.9%; Score 31; DB 14; Length 502;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDMSAL 6
        |||||:
Db      372 LDMSAM 377

RESULT 12
US-10-023-889-16
; Sequence 16, Application US/10023889
; Publication No. US20030124652A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: METHODS OF PRODUCING HIGH MANNOSE GLYCOPROTEINS IN COMPLEX CARBOH
; FILE REFERENCE: 203512US77
; CURRENT APPLICATION NUMBER: US/10/023,889
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 502
; TYPE: PRT
```

```
; ORGANISM: Drosophila melanogaster
US-10-023-889-16

Query Match          93.9%; Score 31; DB 14; Length 502;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDMSAL 6
        |||||:
Db      372 LDMSAM 377

RESULT 13
US-10-023-890-16
; Sequence 16, Application US/10023890
; Publication No. US20030124653A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: METHOD OF PRODUCING GLYCOPROTEINS HAVING REDUCED COMPLEX CARBOHY
; FILE REFERENCE: 203510US77
; CURRENT APPLICATION NUMBER: US/10/023,890
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-023-890-16

Query Match          93.9%; Score 31; DB 14; Length 502;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDMSAL 6
        |||||:
Db      372 LDMSAM 377

RESULT 14
US-10-024-197-16
; Sequence 16, Application US/10024197
; Publication No. US20030133924A1
; GENERAL INFORMATION:
; APPLICANT: CANFIELD, William
; TITLE OF INVENTION: HIGHLY PHOSPHORYLATED ACID BETA-GLUCOCEREBROSIDASE AND METHODS
; FILE REFERENCE: 209794US0
; CURRENT APPLICATION NUMBER: US/10/024,197
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-024-197-16

Query Match          93.9%; Score 31; DB 14; Length 502;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LDMSAL 6
        |||||:
Db      372 LDMSAM 377

RESULT 15
US-10-023-894-16
; Sequence 16, Application US/10023894
; Publication No. US20030143669A1
; GENERAL INFORMATION:
```

```

; APPLICANT: CANFIELD, William
; APPLICANT: KORNFIELD, Stuart
; TITLE OF INVENTION: EXPRESSION OF LYSOSOMAL HYDROLASE IN CELLS EXPRESSING PRO-N-
; TITLE OF INVENTION: ACETYLGUCOSAMINE-1-PHOSPHODIESTER ALPHA-N-ACETYL GLUCOSAMINIDAS
; FILE REFERENCE: 217139877
; CURRENT APPLICATION NUMBER: US/10/023,894
; CURRENT FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 16
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-023-894-16

```

```

Query Match          93.9%; Score 31; DB 14; Length 502;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY      1 LDMSAL 6
Db      372 LDMSAM 377

```

Search completed: March 17, 2004, 18:45:30  
Job time : 22.6711 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using BW model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds

(Without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-14

Perfect score: 35

Sequence: 1 LDMSFL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2\_6/prodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/prodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/prodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/prodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/prodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/prodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/prodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/prodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
11: /cgn2\_6/prodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
12: /cgn2\_6/prodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
13: /cgn2\_6/prodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
14: /cgn2\_6/prodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
15: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
16: /cgn2\_6/prodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
17: /cgn2\_6/prodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/prodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	35	100.0	6	9 US-09-847-940B-14	Sequence 14, Appl
2	35	100.0	6	10 US-09-847-946A-14	Sequence 14, Appl
3	33	94.3	218	11 US-09-861-776-50	Sequence 50, Appl
4	33	94.3	218	11 US-09-861-776-50	Sequence 50, Appl
5	33	94.3	218	11 US-10-072-012-859	Sequence 859, Appl
6	33	94.3	218	14 US-10-032-189-107	Sequence 107, Appl
7	33	94.3	827	15 US-10-347-470A-26	Sequence 26, Appl
8	32	91.4	6	9 US-09-847-940B-15	Sequence 15, Appl
9	32	91.4	6	10 US-09-847-946A-15	Sequence 15, Appl
10	32	91.4	46	12 US-10-424-599-164997	Sequence 164997, A
11	32	91.4	56	9 US-09-764-877-1782	Sequence 1782, Ap
12	32	91.4	56	15 US-10-242-515-1782	Sequence 1782, Ap
13	32	91.4	134	12 US-10-424-599-279866	Sequence 279866, A
14	32	91.4	743	15 US-10-104-047-2340	Sequence 2340, Ap
15	31	88.6	60	12 US-10-424-599-217549	Sequence 217549, A

16	31	88.6	81	12	US-10-424-599-255178	Sequence 255178, A
17	31	88.6	124	9	US-09-925-302-460	Sequence 460, Appl
18	31	88.6	147	12	US-10-425-114-72069	Sequence 72069, A
19	31	88.6	147	12	US-10-425-114-72070	Sequence 72070, A
20	31	88.6	157	9	US-09-738-626-4783	Sequence 4783, Ap
21	31	88.6	184	14	US-10-078-770-86	Sequence 86, Appl
22	31	88.6	238	14	US-10-078-770-96	Sequence 96, Appl
23	31	88.6	264	14	US-10-097-111-300	Sequence 300, Appl
24	31	88.6	273	12	US-10-425-114-53924	Sequence 53924, A
25	31	88.6	282	12	US-10-425-114-48772	Sequence 48772, A
26	31	88.6	305	14	US-10-078-770-90	Sequence 90, Appl
27	31	88.6	317	14	US-10-032-189-32	Sequence 32, Appl
28	31	88.6	326	12	US-10-424-599-269951	Sequence 269951, A
29	31	88.6	358	15	US-10-438-537-4	Sequence 4, Appl
30	31	88.6	358	15	US-10-295-027-1228	Sequence 1228, Ap
31	31	88.6	413	14	US-10-032-189-106	Sequence 106, Appl
32	31	88.6	416	14	US-10-032-189-105	Sequence 105, Appl
33	31	88.6	417	14	US-10-032-189-104	Sequence 104, Appl
34	31	88.6	433	10	US-09-863-776-48	Sequence 48, Appl
35	31	88.6	435	14	US-10-032-189-102	Sequence 102, Appl
36	31	88.6	435	14	US-10-032-189-103	Sequence 103, Appl
37	31	88.6	515	15	US-10-108-260A-3041	Sequence 3041, Ap
38	31	88.6	1025	14	US-10-195-144-7	Sequence 7, Appl
39	31	88.6	1025	15	US-10-345-072-7	Sequence 7, Appl
40	31	88.6	1285	15	US-10-369-493-12354	Sequence 12354, A
41	30	85.7	6	9	US-09-847-940B-2	Sequence 2, Appl
42	30	85.7	6	10	US-09-847-946A-2	Sequence 2, Appl
43	30	85.7	6	10	US-09-847-946A-33	Sequence 33, Appl
44	30	85.7	7	10	US-09-847-946A-37	Sequence 37, Appl
45	30	85.7	8	10	US-09-847-946A-30	Sequence 30, Appl

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-14  
Sequence 14, Application US/09847940B  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-117CP  
CURRENT APPLICATION NUMBER: US/09/847, 940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643, 260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 14  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-14

Query Match 100.0%; Score 35; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSFL 6  
Db 1 LDMSFL 6

RESULT 2  
US-09-847-946A-14  
Sequence 14, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

APPLICANT: Ghosh, Sankar  
APPLICANT: Findels, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 60/201,261  
PRIOR FILING DATE: 2000-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 14  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD peptide  
US-09-847-946A-14

Query Match 100.0%; Score 35; DB 10; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSFL 6  
Db 1 LDMSFL 6

RESULT 3  
US-09-863-776-50  
Sequence 50, Application US/09863776  
Publication No. US20030198953A1  
GENERAL INFORMATION:  
APPLICANT: Spytek, Kimberly A  
APPLICANT: Majumder, Kundu  
APPLICANT: Tchernev, Vellizar T  
APPLICANT: Mishra, Vishnu  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Spaderna, Steven K  
APPLICANT: Shenoy, Suresh G  
APPLICANT: Rastelli, Luca  
APPLICANT: Li, Li  
APPLICANT: Taupier, Raymond J  
APPLICANT: Gangoli, Bsha  
TITLE OF INVENTION: No. US20030198953A1 Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-020  
CURRENT APPLICATION NUMBER: US/09/863,776  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: 09/540,763  
PRIOR FILING DATE: 2000-03-30  
PRIOR APPLICATION NUMBER: 60/206,679  
PRIOR FILING DATE: 2000-05-24  
PRIOR APPLICATION NUMBER: 60/206,688  
PRIOR FILING DATE: 2000-05-24  
PRIOR APPLICATION NUMBER: 60/206,829  
PRIOR FILING DATE: 2000-05-24  
PRIOR APPLICATION NUMBER: 60/207,748  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 60/207,798  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 60/208,263  
PRIOR FILING DATE: 2000-05-31  
PRIOR APPLICATION NUMBER: 60/208,831  
PRIOR FILING DATE: 2000-06-02  
PRIOR APPLICATION NUMBER: 60/209,451  
PRIOR FILING DATE: 2000-06-05  
PRIOR APPLICATION NUMBER: 60/210,060  
PRIOR FILING DATE: 2000-06-07  
PRIOR APPLICATION NUMBER: 60/219,507  
PRIOR FILING DATE: 2000-07-20

PRIOR APPLICATION NUMBER: 60/221,337  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/221,927  
PRIOR FILING DATE: 2000-07-31  
PRIOR APPLICATION NUMBER: 60/263,135  
PRIOR FILING DATE: 2001-01-19  
PRIOR APPLICATION NUMBER: 60/263,688  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/263,694  
PRIOR FILING DATE: 2001-01-24  
NUMBER OF SEQ ID NOS: 155  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 50  
LENGTH: 218  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Consensus Sequence  
US-09-863-776-50

Query Match 94.3%; Score 33; DB 10; Length 218;  
Best Local Similarity 83.3%; Pred. No. 5.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMSFL 6  
Db 1 LDMSFL 6

RESULT 4  
US-09-981-151A-91  
Sequence 91, Application US/09981151A  
Publication No. US20030212256A1  
GENERAL INFORMATION:  
APPLICANT: Edinger, Shlomit R  
APPLICANT: Gerlach, Valerie  
APPLICANT: MacDougall, John R  
APPLICANT: Walyankar, Murtiel M  
APPLICANT: Smithson, Glenda  
APPLICANT: Miller, Isabelle  
APPLICANT: Peyman, John A  
APPLICANT: Stone, David J  
APPLICANT: Gunther, Erik  
APPLICANT: Ellerman, Karen  
APPLICANT: Shimkets, Richard A  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Guo, Xiaojia  
APPLICANT: Paturajan, Meera  
APPLICANT: Taupier Jr, Raymond J  
APPLICANT: Burgess, Catherine E  
APPLICANT: Zeehuse, Bryan D  
APPLICANT: Kekuda, Ramesh  
APPLICANT: Spytek, Kimberly A  
APPLICANT: Gangoli, Bsha A  
APPLICANT: Fernandes, Elma R  
APPLICANT: Gorman, Linda  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-168  
CURRENT APPLICATION NUMBER: US/09/981,151A  
CURRENT FILING DATE: 2001-10-16  
PRIOR APPLICATION NUMBER: 60/241,040  
PRIOR FILING DATE: 2000-10-17  
PRIOR APPLICATION NUMBER: 60/241,058  
PRIOR FILING DATE: 2000-10-17  
PRIOR APPLICATION NUMBER: 60/241,063  
PRIOR FILING DATE: 2000-10-17  
PRIOR APPLICATION NUMBER: 60/241,243  
PRIOR FILING DATE: 2000-10-17  
PRIOR APPLICATION NUMBER: 60/242,152  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/242,482  
PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/242,611  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/242,612  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/242,880  
PRIOR FILING DATE: 2000-10-24  
PRIOR APPLICATION NUMBER: 60/242,881  
PRIOR FILING DATE: 2000-10-24  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO: 91  
LENGTH: 218  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Connexin  
OTHER INFORMATION: Consensus Sequence  
US-09-981-151A-91

Query Match 94.3%; Score 33; DB 11; Length 218;  
Best Local Similarity 83.3%; Pred. NO. 5.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSFL 6  
DB 1 MDMSFL 6

## RESULT 5

US-10-072-012-859  
Sequence 859, Application US/10072012  
Publication No. US2004003343A1  
GENERAL INFORMATION:  
APPLICANT: Tchenev, Velizar  
APPLICANT: Spytek, Kimberly  
APPLICANT: Zethusen, Bryan  
APPLICANT: Paturajan, Meera  
APPLICANT: Shimkets, Richard  
APPLICANT: Li, Li  
APPLICANT: Gangoli, Esna  
APPLICANT: Padigaru, Murallidhara  
APPLICANT: Anderson, David W.  
APPLICANT: Rastelli, Luca  
APPLICANT: Miller, Charles E.  
APPLICANT: Gerlach, Valerie  
APPLICANT: Taupier Jr, Raymond J.  
APPLICANT: Guev, Vladimir Y.  
APPLICANT: Coleman, Steven D.  
APPLICANT: Wolenc, Adam R.  
APPLICANT: Pena, Carol E. A  
APPLICANT: Furtak, Katarzyna  
APPLICANT: Grosse, William M.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Lepley, Denise M.  
APPLICANT: Rieger, Daniel K.  
APPLICANT: Burgess, Catherine E.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-258  
CURRENT APPLICATION NUMBER: US/10/072,012  
CURRENT FILING DATE: 2002-01-31  
PRIOR APPLICATION NUMBER: 60/265,102  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: 60/265,514  
PRIOR FILING DATE: 2001-01-31  
PRIOR APPLICATION NUMBER: 60/265,517  
PRIOR FILING DATE: 2001-01-31  
PRIOR APPLICATION NUMBER: 60/265,412  
PRIOR FILING DATE: 2001-01-31  
PRIOR APPLICATION NUMBER: 60/265,395  
PRIOR FILING DATE: 2001-01-31  
PRIOR APPLICATION NUMBER: 60/266,406  
PRIOR FILING DATE: 2001-02-02

PRIOR APPLICATION NUMBER: 60/266,767  
PRIOR FILING DATE: 2001-02-05  
PRIOR APPLICATION NUMBER: 60/267,057  
PRIOR FILING DATE: 2001-02-07  
PRIOR APPLICATION NUMBER: 60/266,975  
PRIOR FILING DATE: 2001-02-07  
PRIOR APPLICATION NUMBER: 60/267,459  
PRIOR FILING DATE: 2001-02-08  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 1391  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO: 859  
LENGTH: 218  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: Connexin  
OTHER INFORMATION: Consensus Sequence  
US-10-072-012-859

Query Match 94.3%; Score 33; DB 12; Length 218;  
Best Local Similarity 83.3%; Pred. NO. 5.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSFL 6  
DB 1 MDMSFL 6

## RESULT 6

US-10-032-189-107  
Sequence 107, Application US/10032189  
Publication No. US20030170630A1  
GENERAL INFORMATION:  
APPLICANT: Alsobrook II, John P  
APPLICANT: Tchenev, Velizar T  
APPLICANT: Liu, Xiaohong  
APPLICANT: Spytek, Kimberly A  
APPLICANT: Zethusen, Bryan D  
APPLICANT: Paturajan, Meera  
APPLICANT: Grosse, William M  
APPLICANT: Lepley, Denise M  
APPLICANT: Burgess, Catherine E  
APPLICANT: Shimkets, Richard A  
APPLICANT: Grosse, William M  
APPLICANT: Szekeres, Edward S  
APPLICANT: Vernet, Corine A.M.  
APPLICANT: Li, Li  
APPLICANT: Caeman, Stacie J  
APPLICANT: Boldog, Ferenc L  
APPLICANT: Gorman, Linda  
APPLICANT: Gangoli, Esna A  
APPLICANT: Fernandes, Elma R  
APPLICANT: Rieger, Daniel K  
APPLICANT: Edinger, Shlomit R  
APPLICANT: Gunther, Erik  
APPLICANT: Miller, Isabelle  
APPLICANT: Sciore, Paul  
APPLICANT: Ellerman, Karen  
APPLICANT: MacDougall, John R  
APPLICANT: Smithson, Glenda  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-228  
CURRENT APPLICATION NUMBER: US/10/032,189  
CURRENT FILING DATE: 2001-12-21  
PRIOR APPLICATION NUMBER: 60/257,495  
PRIOR FILING DATE: 2000-12-21  
PRIOR APPLICATION NUMBER: 60/258,171  
PRIOR FILING DATE: 2000-12-20  
PRIOR APPLICATION NUMBER: 60/269,940  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/274,192  
PRIOR FILING DATE: 2001-03-08

```

; PRIOR APPLICATION NUMBER: 60/277,826
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 60/279,840
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/282,981
; PRIOR FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 60/283,656
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 60/309,247
; PRIOR FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: 60/311,754
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: 60/313,331
; PRIOR FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 260
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 107
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Connexin
; OTHER INFORMATION: Consensus Sequence
US-10-032-189-107
```

Query Match 94.3%; Score 33; DB 14; Length 218;  
Best Local Similarity 83.3%; Pred. No. 5,le+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMWSFL 6  
:||||:  
Db 1 LDMWSFL 6

```

RESULT 7
US-10-347-470A-26
; Sequence 26, Application US/10347470A
; Publication No. US2004002054A1
; GENERAL INFORMATION:
; APPLICANT: Horvitz, H. Robert
; TITLE OF INVENTION: SOV NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 01997/542003
; CURRENT APPLICATION NUMBER: US/10/347,470A
; CURRENT FILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: US 60/349,630
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/390,930
; PRIOR FILING DATE: 2002-06-24
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PasteSeq for Windows Version 4.0
; SEQ ID NO 26
; LENGTH: 827
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-10-347-470A-26
```

Query Match 94.3%; Score 33; DB 15; Length 827;  
Best Local Similarity 83.3%; Pred. No. 1,5e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMWSFL 6  
:||||:  
Db 370 LDMWSFL 375

```

RESULT 8
US-09-847-940B-15
; Sequence 15, Application US/09847940B
; Patent No. US20020156000A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J.
; APPLICANT: Ghosh, Sankar
```

```

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-117CP
; CURRENT APPLICATION NUMBER: US/09/847,940B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants
US-09-847-940B-15
```

Query Match 91.4%; Score 32; DB 9; Length 6;  
Best Local Similarity 83.3%; Pred. No. 9.4e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMWSFL 6  
:||||:  
Db 1 LDMWSFL 6

```

RESULT 9
US-09-847-946A-15
; Sequence 15, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Fiedels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hamlin, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: NBD peptide
US-09-847-946A-15
```

Query Match 91.4%; Score 32; DB 10; Length 6;  
Best Local Similarity 83.3%; Pred. No. 9.4e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMWSFL 6  
:||||:  
Db 1 LDMWSFL 6

```

RESULT 10
US-10-424-599-164997
; Sequence 164997, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
```

```
FILE REFERENCE: 38-21(53223)B
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 164997
LENGTH: 46
TYPE: PRT
ORGANISM: Glycine max
OTHER INFORMATION: Clone ID: PAT_MRT3847_120008C.1.pep
US-10-424-599-164997

Query Match
Best Local Similarity 91.4%; Score 32; DB 12; Length 46;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMWFL 6
Db 35 LDMWFL 40

RESULT 11
US-09-764-877-1782
Sequence 1782, Application US/09764877
Patent No. US20020147140A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC005
CURRENT APPLICATION NUMBER: US/09/764,877
CURRENT FILING DATE: 2001-01-17
Prior application data removed - refer to PALM or file wrapper
NUMBER OF SEQ ID NOS: 4031
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1782
LENGTH: 56
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (51)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (56)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-877-1782

Query Match
Best Local Similarity 91.4%; Score 32; DB 9; Length 56;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMWFL 6
Db 27 LDMWFL 32

RESULT 12
US-10-242-515-1782
Sequence 1782, Application US/10242515
Publication No. US20040009488A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PC005C1
CURRENT APPLICATION NUMBER: US/10/242,515
CURRENT FILING DATE: 2002-09-13
PRIOR APPLICATION NUMBER: 09/764,877
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/214,886
```

```
PRIOR FILING DATE: 2000-06-28
PRIOR APPLICATION NUMBER: 60/217,487
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,758
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/220,963
PRIOR FILING DATE: 2000-07-26
PRIOR APPLICATION NUMBER: 60/217,496
PRIOR FILING DATE: 2000-07-11
PRIOR APPLICATION NUMBER: 60/225,447
PRIOR FILING DATE: 2000-08-14
PRIOR APPLICATION NUMBER: 60/218,290
PRIOR FILING DATE: 2000-07-14
Remaining Prior Application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 4031
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1782
LENGTH: 56
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (51)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
FEATURE:
NAME/KEY: misc_feature
LOCATION: (56)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-242-515-1782

Query Match
Best Local Similarity 91.4%; Score 32; DB 15; Length 56;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMWFL 6
Db 27 LDMWFL 32

RESULT 13
US-10-424-599-279686
Sequence 279686, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 279686
LENGTH: 134
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_94579C.1.pep
US-10-424-599-279686

Query Match
Best Local Similarity 91.4%; Score 32; DB 12; Length 134;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMWFL 6
Db 95 LDMWFL 100

RESULT 14
US-10-104-047-2340
```

; Sequence 2340, Application US/10104047  
; Publication No. US20030236392A1  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: No. US20030236392A1e1 full length cDNA  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104,047  
; CURRENT FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER:  
; PRIOR FILING DATE:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2340  
; LENGTH: 743  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-104-047-2340

Query Match 91.4%; Score 32; DB 15; Length 743;  
Best Local Similarity 83.3%; Pred. No. 2.1e+03;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSFL 6  
:|||||  
Db 98 VDMSFL 103

RESULT 15  
US-10-424-599-217549  
; Sequence 217549, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Tongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 217549  
; LENGTH: 60  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_38474C.1.pep  
US-10-424-599-217549

Query Match 88.6%; Score 31; DB 12; Length 60;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 DMSFL 6  
:|||||  
Db 35 DMSFL 39

Search completed: March 17, 2004, 18:45:30  
Job time : 21.6711 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 / Search time 21.6711 Seconds

(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-15

Perfect score: 36

Sequence: 1 LDMSYL 6

Scoring table:

Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :  
1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*  
9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
11: /cgn2\_6/ptodata/1/pubpaa/US09C\_NEW\_PUB.pep.\*  
12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep.\*  
13: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
14: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*  
15: /cgn2\_6/ptodata/1/pubpaa/US10C\_NEW\_PUB.pep.\*  
16: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	100.0	6	US-09-847-940B-15	Sequence 15, Appl
2	100.0	6	US-09-847-946A-15	Sequence 15, Appl
3	100.0	46	US-10-424-599-164997	Sequence 164997, Matches
4	94.4	98	US-10-282-122A-12628	Sequence 42628, A
5	94.4	98	US-10-287-274-432	Sequence 432, App
6	91.7	79	US-10-282-122A-68458	Sequence 68458, A
7	88.9	6	US-09-847-940B-14	Sequence 14, Appl
8	88.9	6	US-09-847-946A-14	Sequence 14, Appl
9	88.9	27	US-09-974-879-385	Sequence 385, App
10	88.9	27	US-09-305-736-385	Sequence 385, App
11	88.9	27	US-09-818-683-385	Sequence 385, App
12	88.9	27	US-10-621-401-385	Sequence 385, App
13	88.9	274	US-10-425-114-67523	Sequence 67523, A
14	88.9	297	US-10-425-114-66684	Sequence 66684, A
15	88.9	351	US-10-424-599-199964	Sequence 199964, A

16	88.9	376	US-10-369-493-12565	Sequence 12565, A
17	88.9	412	US-10-412-699B-1499	Sequence 1499, Ap
18	88.9	412	US-10-374-780A-1378	Sequence 1378, Ap
19	88.9	445	US-10-156-761-8567	Sequence 8567, Ap
20	88.9	509	US-10-425-114-67482	Sequence 67482, A
21	88.9	525	US-10-369-493-267	Sequence 267, App
22	88.9	542	US-10-369-493-913	Sequence 913, App
23	88.9	560	US-10-369-493-13768	Sequence 13768, A
24	88.9	561	US-09-815-442-12101	Sequence 12101, A
25	88.9	561	US-10-282-122A-66833	Sequence 66833, A
26	88.9	562	US-10-032-585-7639	Sequence 7639, Ap
27	88.9	567	US-10-282-122A-78210	Sequence 78210, A
28	88.9	568	US-10-282-122A-69506	Sequence 69506, A
29	88.9	583	US-10-369-493-15366	Sequence 15366, A
30	88.9	724	US-10-369-493-2523	Sequence 2523, Ap
31	88.9	1024	US-10-213-990-30	Sequence 30, Appl
32	88.9	1241	US-10-282-122A-68580	Sequence 68580, A
33	88.9	1241	US-10-080-943-2	Sequence 2, Appl1
34	86.1	6	US-09-847-940B-2	Sequence 2, Appl1
35	86.1	6	US-09-847-946A-2	Sequence 2, Appl1
36	86.1	6	US-09-847-946A-33	Sequence 33, Appl
37	86.1	7	US-09-847-946A-37	Sequence 37, Appl
38	86.1	8	US-09-847-946A-30	Sequence 30, Appl
39	86.1	8	US-09-847-946A-38	Sequence 38, Appl
40	86.1	9	US-09-847-946A-29	Sequence 29, Appl
41	86.1	9	US-09-847-946A-32	Sequence 32, Appl
42	86.1	9	US-09-847-946A-35	Sequence 35, Appl
43	86.1	9	US-09-847-946A-36	Sequence 36, Appl
44	86.1	10	US-09-847-946A-31	Sequence 31, Appl
45	86.1	10	US-09-847-946A-34	Sequence 34, Appl

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-15  
Sequence 15, Application US/09847940B  
Patent No. US20020156000A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-117CP  
CURRENT APPLICATION NUMBER: US/09/847, 940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 15  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-15

Query Match 100.0%; Score 36; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.4e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSYL 6  
|||  
DB 1 LDMSYL 6

RESULT 2  
US-09-847-946A-15  
Sequence 15, Application US/09847946A  
Publication No. US20030054999A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

APPLICANT: Ghosh, Sankar  
APPLICANT: Faindel, Mark A  
APPLICANT: Phillips, Kathryn  
APPLICANT: Hannig, Gerhard  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PFI-119  
CURRENT APPLICATION NUMBER: US/09/847,946A  
PRIORITY FILING DATE: 2001-05-02  
PRIORITY APPLICATION NUMBER: 60/201,261  
PRIORITY FILING DATE: 2000-05-02  
PRIORITY APPLICATION NUMBER: 09/643,260  
PRIORITY FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 160  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 15  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD peptide  
US-09-847-946A-15

Query Match  
Best Local Similarity 100.0%; Score 36; DB 10; Length 6;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LDMSYL 6  
DB 1 LDMSYL 6

RESULT 3  
US-10-424-599-164997  
Sequence 164997, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
PRIORITY FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 164997  
LENGTH: 46  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_120008C.1.pep  
US-10-424-599-164997

Query Match  
Best Local Similarity 100.0%; Score 36; DB 12; Length 46;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 LDMSYL 6  
DB 35 LDMSYL 40

RESULT 4  
US-10-282-122A-42628  
Sequence 42628, Application US/10282122A  
Publication No. US20040029129A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Liangsu  
APPLICANT: Zamudio, Carlos  
APPLICANT: Malone, Cheryl  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Karl

APPLICANT: Zykkind, Judith  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John  
APPLICANT: Carr, Grant  
APPLICANT: Yamamoto, Robert  
APPLICANT: Forsyth, R.  
APPLICANT: Xu, H.  
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
FILE REFERENCE: ELITRA 034A  
CURRENT APPLICATION NUMBER: US/10/282,122A  
PRIORITY FILING DATE: 2003-02-20  
PRIORITY APPLICATION NUMBER: 60/191,078  
PRIORITY FILING DATE: 2000-03-21  
PRIORITY APPLICATION NUMBER: 60/206,848  
PRIORITY FILING DATE: 2000-05-23  
PRIORITY APPLICATION NUMBER: 60/207,727  
PRIORITY FILING DATE: 2000-05-26  
PRIORITY APPLICATION NUMBER: 60/230,335  
PRIORITY FILING DATE: 2000-09-06  
PRIORITY APPLICATION NUMBER: 60/230,347  
PRIORITY FILING DATE: 2000-09-09  
PRIORITY APPLICATION NUMBER: 60/242,578  
PRIORITY FILING DATE: 2000-10-23  
PRIORITY APPLICATION NUMBER: 60/253,625  
PRIORITY FILING DATE: 2000-11-27, 931  
PRIORITY APPLICATION NUMBER: 60/257,636  
PRIORITY FILING DATE: 2001-02-09  
PRIORITY APPLICATION NUMBER: 60/269,308  
PRIORITY FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See file wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 42628  
LENGTH: 98  
TYPE: PRT  
ORGANISM: Escherichia coli  
US-10-282-122A-42628

Query Match  
Best Local Similarity 94.4%; Score 34; DB 12; Length 98;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 LDMSYL 6  
DB 67 LDMSYL 72

RESULT 5  
US-10-287-274-432  
Sequence 432, Application US/10287274  
Publication No. US20030181408A1  
GENERAL INFORMATION:  
APPLICANT: Forsyth, R. Allyn  
APPLICANT: Ohlsen, Karl  
APPLICANT: Zykkind, Judith  
TITLE OF INVENTION: GENES ESSENTIAL FOR MICROBIAL PROLIFERATION AND ANTISENSE THERAPY  
FILE REFERENCE: ELITRA.008DVA  
CURRENT APPLICATION NUMBER: US/10/287,274  
PRIORITY FILING DATE: 2002-10-31  
PRIORITY APPLICATION NUMBER: US 60/164415  
PRIORITY FILING DATE: 1999-11-09  
PRIORITY APPLICATION NUMBER: US 09/711164  
PRIORITY FILING DATE: 2000-11-09  
NUMBER OF SEQ ID NOS: 469  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 432  
LENGTH: 98  
TYPE: PRT  
ORGANISM: Escherichia coli  
US-10-287-274-432



Query Match 94.4%; Score 34; DB 14; Length 98;  
Best Local Similarity 83.3%; Pred. No. 1.8e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSYL 6  
:|||||  
Db 67 LDMSYL 72

## RESULT 6

US-10-282-122A-68458  
; Sequence 68458, Application US/10282122A  
; Publication No. US20040029123A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Karl  
; APPLICANT: Zykkind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn Version 3.1  
; SEQ ID NO 68458:  
; LENGTH: 79  
; TYPE: PRT  
; ORGANISM: Proteus mirabilis  
US-10-282-122A-68458

Query Match 91.7%; Score 33; DB 12; Length 79;  
Best Local Similarity 83.3%; Pred. No. 2.1e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSYL 6  
:|||||  
Db 69 VDMSYL 74

## RESULT 7

US-09-847-940B-14  
; Sequence 14, Application US/09847940B  
; Patent No. US20020156000A1  
; GENERAL INFORMATION:

; APPLICANT: May, Michael J.  
; APPLICANT: Ghosh, Sankar  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-117CP  
; CURRENT APPLICATION NUMBER: US/09/847,940B  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NBD mutants

US-09-847-940B-14

Query Match 88.9%; Score 32; DB 9; Length 6;  
Best Local Similarity 83.3%; Pred. No. 9.4e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSYL 6  
:|||||  
Db 1 LDMSFL 6

## RESULT 8

US-09-847-946A-14  
; Sequence 14, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 6  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NBD peptide  
US-09-847-946A-14

Query Match 88.9%; Score 32; DB 10; Length 6;  
Best Local Similarity 83.3%; Pred. No. 9.4e+05;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMSYL 6  
:|||||  
Db 1 LDMSFL 6

## RESULT 9

US-09-974-879-385  
; Sequence 385, Application US/09974879  
; Publication No. US20030028003A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: 125 Human Secreted Proteins  
; FILE REFERENCE: P2020P2  
; CURRENT APPLICATION NUMBER: US/09/974,879

```
/ CURRENT FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: US 60/239,893
/ PRIOR FILING DATE: 2000-10-13
/ PRIOR APPLICATION NUMBER: US 09/818,683
/ PRIOR FILING DATE: 2001-03-28
/ PRIOR APPLICATION NUMBER: US 09/305,736
/ PRIOR FILING DATE: 1999-05-05
/ PRIOR APPLICATION NUMBER: PCT/US98/23435
/ PRIOR FILING DATE: 1998-11-04
/ PRIOR APPLICATION NUMBER: US 60/064,911
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,912
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,983
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,900
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,988
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,987
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,908
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/066,094
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,984
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/064,985
/ PRIOR FILING DATE: 1997-11-07
/ PRIOR APPLICATION NUMBER: US 60/066,094
/ PRIOR FILING DATE: 1997-11-17
/ PRIOR APPLICATION NUMBER: US 60/066,100
/ PRIOR FILING DATE: 1997-11-17
/ PRIOR APPLICATION NUMBER: US 60/066,089
/ PRIOR FILING DATE: 1997-11-17
/ PRIOR APPLICATION NUMBER: US 60/066,095
/ PRIOR FILING DATE: 1997-11-17
/ PRIOR APPLICATION NUMBER: US 60/066,090
/ PRIOR FILING DATE: 1997-11-17
/ NUMBER OF SEQ ID NOS: 611
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 385
/ LENGTH: 27
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-09-974-879-385

Query Match      88.9% Score 32; DB 10; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDMSY 5
        |||||
Db      8 LDMSY 12
```

```
RESULT 10
US-09-305-736-385
/ Sequence 385, Application US/09305736
/ Publication No. US2003088078A1
/ GENERAL INFORMATION:
/ APPLICANT: Feng et al.
/ TITLE OF INVENTION: 125 Human Secreted Proteins
/ FILE REFERENCE: P2020P1
/ CURRENT APPLICATION NUMBER: US/09/305,736
/ CURRENT FILING DATE: 1999-05-05
/ EARLIER APPLICATION NUMBER: PCT/US98/23435
/ EARLIER FILING DATE: 1998-11-04
/ EARLIER APPLICATION NUMBER: 60/064,911
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,912
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,983
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,900
```

```
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,988
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,987
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,908
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,984
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/064,985
/ EARLIER FILING DATE: 1997-11-07
/ EARLIER APPLICATION NUMBER: 60/066,094
/ EARLIER FILING DATE: 1997-11-17
/ EARLIER APPLICATION NUMBER: 60/066,100
/ EARLIER FILING DATE: 1997-11-17
/ EARLIER APPLICATION NUMBER: 60/066,089
/ EARLIER FILING DATE: 1997-11-17
/ EARLIER APPLICATION NUMBER: 60/066,095
/ EARLIER FILING DATE: 1997-11-17
/ EARLIER APPLICATION NUMBER: 60/066,090
/ EARLIER FILING DATE: 1997-11-17
/ NUMBER OF SEQ ID NOS: 612
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 385
/ LENGTH: 27
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-09-305-736-385
```

```
Query Match      88.9% Score 32; DB 10; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDMSY 5
        |||||
Db      8 LDMSY 12
```

```
RESULT 11
US-09-818-683-385
/ Sequence 385, Application US/09818683
/ Publication No. US20030211472A1
/ GENERAL INFORMATION:
/ APPLICANT: Feng et al.
/ TITLE OF INVENTION: 125 Human Secreted Proteins
/ FILE REFERENCE: P2020P1
/ CURRENT APPLICATION NUMBER: US/09/818,683
/ CURRENT FILING DATE: 2001-03-28
/ Prior application data removed - consult PALM or file wrapper
/ NUMBER OF SEQ ID NOS: 612
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 385
/ LENGTH: 27
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-09-818-683-385

Query Match      88.9% Score 32; DB 11; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 LDMSY 5
        |||||
Db      8 LDMSY 12
```

```
RESULT 12
US-10-621-401-385
/ Sequence 385, Application US/10621401
/ Publication No. US20040038277A1
/ GENERAL INFORMATION:
/ APPLICANT: Rosen et al.
/ TITLE OF INVENTION: 125 Human Secreted Proteins
```

```

FILE REFERENCE: P2020P2C1
CURRENT APPLICATION NUMBER: US/10/621,401
CURRENT FILING DATE: 2003-07-18
PRIOR APPLICATION NUMBER: US 09/974,879
PRIOR FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/239,893
PRIOR FILING DATE: 2000-10-13
PRIOR APPLICATION NUMBER: US 09/818,683
PRIOR FILING DATE: 2001-03-28
PRIOR APPLICATION NUMBER: US 09/305,736
PRIOR FILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: PCT/US98/23435
PRIOR FILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 60/064,911
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: US 60/064,912
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: US 60/064,983
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: US 60/064,900
PRIOR FILING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: US 60/064,988
PRIOR FILING DATE: 1997-11-07
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 611
SOFTWARE: Patent Ver. 2.0
SEQ ID NO 385
LENGTH: 27
TYPE: PRT
ORGANISM: Homo sapiens
US-10-621-401-385

```

```

Query Match      88.9% Score 32; DB 12; Length 27;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 LDMSY 5
        |||||
DB      8 LDMSY 12

```

```

RESULT 13
US-10-425-114-67523
Sequence 67523, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(5313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 67523
LENGTH: 274
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: LIB143-035-E11_F11.pep
US-10-425-114-67523

```

```

Query Match      88.9% Score 32; DB 12; Length 274;
Best Local Similarity 100.0%; Pred. No. 9.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 LDMSY 5
        |||||
DB      186 LDMSY 190

```

```

RESULT 14
US-10-425-114-66684
Sequence 66684, Application US/10425114
Publication No. US20040034888A1
GENERAL INFORMATION:
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Kovalic, David K.
APPLICANT: Screen, Steven E
APPLICANT: Tabaska, Jack E
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(5313)B
CURRENT APPLICATION NUMBER: US/10/425,114
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 66684
LENGTH: 297
TYPE: PRT
ORGANISM: Zea mays
FEATURE:
OTHER INFORMATION: Clone ID: LIB4743-041-H8_F11.pep
US-10-425-114-66684

```

```

Query Match      88.9% Score 32; DB 12; Length 297;
Best Local Similarity 100.0%; Pred. No. 9.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      2 DMSYL 6
        |||||
DB      3 DMSYL 7

```

```

RESULT 15
US-10-424-599-199984
Sequence 199984, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic, David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 199984
LENGTH: 351
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3647_22611C.1.pep
US-10-424-599-199984

```

```

Query Match      88.9% Score 32; DB 12; Length 351;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY      1 LDMSY 5
        |||||
DB      128 LDMSY 132

```

```

Search completed: March 17, 2004, 18:45:31
Job time : 22.6711 secs

```

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-16

Perfect score: 40

Sequence: 1 LDMAWL 6

Scoring table: BIOSUM62

Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA.\*

```
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40	100.0	6	9 US-09-847-940B-16	Sequence 16, Appl
2	40	100.0	6	10 US-09-847-946A-16	Sequence 16, Appl
3	40	100.0	6	10 US-09-847-946A-16	Sequence 16, Appl
4	40	100.0	6	10 US-09-847-946A-16	Sequence 16, Appl
5	40	100.0	7	10 US-09-847-946A-110	Sequence 110, App
6	40	100.0	8	10 US-09-847-946A-103	Sequence 103, App
7	40	100.0	8	10 US-09-847-946A-111	Sequence 111, App
8	40	100.0	9	10 US-09-847-946A-102	Sequence 102, App
9	40	100.0	9	10 US-09-847-946A-105	Sequence 105, App
10	40	100.0	9	10 US-09-847-946A-108	Sequence 108, App
11	40	100.0	9	10 US-09-847-946A-109	Sequence 109, App
12	40	100.0	10	10 US-09-847-946A-104	Sequence 104, App
13	40	100.0	10	10 US-09-847-946A-107	Sequence 107, App
14	40	100.0	11	10 US-09-847-946A-101	Sequence 101, App
15	37	92.5	6	9 US-09-847-940B-2	Sequence 2, Appl

16	37	92.5	6	10 US-09-847-946A-2	Sequence 2, Appl
17	37	92.5	6	10 US-09-847-946A-33	Sequence 33, Appl
18	37	92.5	7	10 US-09-847-946A-37	Sequence 37, Appl
19	37	92.5	8	10 US-09-847-946A-30	Sequence 30, Appl
20	37	92.5	8	10 US-09-847-946A-38	Sequence 38, Appl
21	37	92.5	9	10 US-09-847-946A-29	Sequence 29, Appl
22	37	92.5	9	10 US-09-847-946A-32	Sequence 32, Appl
23	37	92.5	9	10 US-09-847-946A-35	Sequence 35, Appl
24	37	92.5	9	10 US-09-847-946A-36	Sequence 36, Appl
25	37	92.5	10	10 US-09-847-946A-31	Sequence 31, Appl
26	37	92.5	10	10 US-09-847-946A-34	Sequence 34, Appl
27	37	92.5	11	10 US-09-847-946A-28	Sequence 28, Appl
28	37	92.5	11	10 US-09-847-946A-132	Sequence 132, App
29	37	92.5	11	10 US-09-847-946A-140	Sequence 140, App
30	37	92.5	13	10 US-09-847-946A-143	Sequence 143, App
31	37	92.5	13	10 US-09-847-946A-144	Sequence 144, App
32	37	92.5	13	10 US-09-847-946A-145	Sequence 145, App
33	37	92.5	13	10 US-09-847-946A-148	Sequence 148, App
34	37	92.5	17	10 US-09-847-946A-141	Sequence 141, App
35	37	92.5	17	10 US-09-847-946A-142	Sequence 142, App
36	37	92.5	17	10 US-09-847-946A-146	Sequence 146, App
37	37	92.5	17	10 US-09-847-946A-147	Sequence 147, App
38	37	92.5	18	10 US-09-847-946A-131	Sequence 131, App
39	37	92.5	18	10 US-09-847-946A-135	Sequence 135, App
40	37	92.5	18	10 US-09-847-946A-136	Sequence 136, App
41	37	92.5	22	10 US-09-847-946A-133	Sequence 133, App
42	37	92.5	22	10 US-09-847-946A-134	Sequence 134, App
43	37	92.5	22	10 US-09-847-946A-137	Sequence 137, App
44	37	92.5	22	10 US-09-847-946A-138	Sequence 138, App
45	37	92.5	22	10 US-09-847-946A-139	Sequence 139, App

#### ALIGNMENTS

```
RESULT 1
US-09-847-940B-16
Sequence 16, Application US/09847940B
Patent No. US20020156000A1
GENERAL INFORMATION:
APPLICANT: May, Michael J.
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PFI-117CP
CURRENT APPLICATION NUMBER: US/09/847, 940B
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 09/643,260
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 16
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants
US-09-847-940B-16

Query Match      100.0%; Score 40; DB 9; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LDMAWL 6
      |||||
      1 LDMAWL 6

RESULT 2
US-09-847-946A-16
Sequence 16, Application US/09847946A
Publicat ion No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
```

```
APPLICANT: Ghosh, Sankar
APPLICANT: Findeis, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 16
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-16
```

```
Query Match
Best Local Similarity 100.0%; Score 40; DB 10; Length 6;
Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWAWL 6
DB 1 LDWAWL 6
```

```
RESULT 3
US-09-847-946A-44
Sequence 44, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findeis, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 44
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-44
```

```
Query Match
Best Local Similarity 100.0%; Score 40; DB 10; Length 6;
Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWAWL 6
DB 1 LDWAWL 6
```

```
RESULT 4
US-09-847-946A-106
Sequence 106, Application US/09847946A
Publication No. US20030054999A1
```

```
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findeis, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 106
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-106
```

```
Query Match
Best Local Similarity 100.0%; Score 40; DB 10; Length 6;
Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWAWL 6
DB 1 LDWAWL 6
```

```
RESULT 5
US-09-847-946A-110
Sequence 110, Application US/09847946A
Publication No. US20030054999A1
GENERAL INFORMATION:
APPLICANT: May, Michael J
APPLICANT: Ghosh, Sankar
APPLICANT: Findeis, Mark A
APPLICANT: Phillips, Kathryn
APPLICANT: Hannig, Gerhard
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
FILE REFERENCE: PPI-119
CURRENT APPLICATION NUMBER: US/09/847,946A
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: 60/201,261
PRIOR FILING DATE: 2000-05-02
PRIOR APPLICATION NUMBER: 09/643,260
PRIOR FILING DATE: 2000-08-22
NUMBER OF SEQ ID NOS: 160
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 110
LENGTH: 7
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-110
```

```
Query Match
Best Local Similarity 100.0%; Score 40; DB 10; Length 7;
Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWAWL 6
DB 1 LDWAWL 6
```

```
RESULT 6
```

US-09-847-946A-103  
; Sequence 103, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 103  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-103

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMAML 6  
| | | | |  
DB 3 LDMAML 8

RESULT 7  
US-09-847-946A-111  
; Sequence 111, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 111  
; LENGTH: 8  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-111

Query Match 100.0%; Score 40; DB 10; Length 8;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMAML 6  
| | | | |  
DB 1 LDMAML 6

RESULT 8  
US-09-847-946A-102  
; Sequence 102, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 102  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-102

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMAML 6  
| | | | |  
DB 1 LDMAML 6

RESULT 9  
US-09-847-946A-105  
; Sequence 105, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 105  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-105

Query Match 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMAWL 6  
|||  
DB 1 LDMAWL 6

## RESULT 10

US-09-847-946A-108  
; Sequence 108, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 108  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; US-09-847-946A-108

Query Match: 100.0%; Score 40; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMAWL 6  
|||  
DB 3 LDMAWL 8

## RESULT 11

US-09-847-946A-109  
; Sequence 109, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 109  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; US-09-847-946A-109

Query Match 100.0%; Score 40; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMAWL 6  
|||  
DB 2 LDMAWL 7

## RESULT 12

US-09-847-946A-104  
; Sequence 104, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 104  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; US-09-847-946A-104

Query Match: 100.0%; Score 40; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 20;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMAWL 6  
|||  
DB 2 LDMAWL 7

## RESULT 13

US-09-847-946A-107  
; Sequence 107, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 107  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
; US-09-847-946A-107

US-09-847-946A-107

Query Match 100.0%; Score 40; DB 10; Length 10;

Best Local Similarity 100.0%; Pred. No. 20; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAML 6

Db 3 LDWAML 8

RESULT 14

US-09-847-946A-101

; Sequence 101, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Bhandis, Mark A

; APPLICANT: Phillips, Kathryn

; APPLICANT: Hannig, Gerhard

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT FILING DATE: 2001-05-02

; PRIOR FILING DATE: 2000-05-02

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 101

; LENGTH: 11

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-101

Query Match 100.0%; Score 40; DB 10; Length 11;

Best Local Similarity 100.0%; Pred. No. 22; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAML 6

Db 3 LDWAML 8

RESULT 15

US-09-847-940B-2

; Sequence 2, Application US/09847940B

; Patent No. US20020156000A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J.

; APPLICANT: Ghosh, Sankar

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-117CP

; CURRENT FILING DATE: 2001-05-02

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 27

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2

; LENGTH: 6

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NBD mutants

US-09-847-940B-2

Query Match 92.5%; Score 37; DB 9; Length 6;

Best Local Similarity 83.3%; Pred. No. 9.5e+05;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWAML 6

Db 1 LDWAML 6

Search completed: March 17, 2004, 18:45:31  
Job time : 21.6711 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2004, 18:31:46 ; Search time 21.6711 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-17

Perfect score: 41

Sequence: 1 LDMEWL 6

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PTCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PTCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09\_PUBCOMB.pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	41	100.0	6	9	US-09-847-940B-17
2	41	100.0	6	10	US-09-847-946A-17
3	41	100.0	6	10	US-09-847-946A-45
4	41	100.0	6	10	US-09-847-946A-117
5	41	100.0	7	10	US-09-847-946A-121
6	41	100.0	8	10	US-09-847-946A-114
7	41	100.0	8	10	US-09-847-946A-122
8	41	100.0	9	10	US-09-847-946A-116
9	41	100.0	9	10	US-09-847-946A-119
10	41	100.0	9	10	US-09-847-946A-120
11	41	100.0	10	10	US-09-847-946A-115
12	41	100.0	10	10	US-09-847-946A-118
13	41	100.0	11	10	US-09-847-946A-112
14	41	100.0	11	10	US-10-424-599-153703
15	39	95.1	85	12	US-10-424-599-153703

16	39	95.1	471	15	US-10-369-493-12414	Sequence 12414, A
17	38	92.7	1102	12	US-10-282-122A-67640	Sequence 67640, A
18	37	90.2	20	10	US-09-962-756-939	Sequence 939, App
19	37	90.2	20	15	US-10-253-471-939	Sequence 939, App
20	37	90.2	20	16	US-10-253-493-939	Sequence 939, App
21	37	90.2	70	9	US-09-864-761-46514	Sequence 46514, A
22	37	90.2	117	12	US-10-424-599-178905	Sequence 178905, A
23	37	90.2	164	12	US-10-282-122A-59194	Sequence 59194, A
24	37	90.2	219	15	US-10-369-493-19572	Sequence 19572, A
25	37	90.2	259	15	US-10-369-493-12800	Sequence 12800, A
26	37	90.2	261	12	US-10-282-122A-47592	Sequence 47592, A
27	37	90.2	279	12	US-10-282-122A-49240	Sequence 49240, A
28	37	90.2	280	15	US-10-369-493-3354	Sequence 3354, App
29	37	90.2	287	12	US-10-282-122A-50741	Sequence 50741, A
30	37	90.2	296	12	US-10-282-122A-50589	Sequence 50589, A
31	37	90.2	304	12	US-10-282-122A-51333	Sequence 51333, A
32	37	90.2	313	12	US-10-282-122A-67589	Sequence 67589, A
33	37	90.2	318	12	US-10-282-122A-78151	Sequence 78151, A
34	37	90.2	331	12	US-10-282-122A-66270	Sequence 66270, A
35	37	90.2	331	12	US-10-389-647-412	Sequence 412, App
36	37	90.2	354	14	US-10-166-087-6	Sequence 8244, App
37	37	90.2	462	15	US-10-369-493-8244	Sequence 8244, App
38	37	90.2	1137	12	US-10-282-122A-59975	Sequence 59975, A
39	36	87.8	6	9	US-09-847-940B-2	Sequence 2, Appl1
40	36	87.8	6	10	US-09-847-946A-2	Sequence 2, Appl1
41	36	87.8	6	10	US-09-847-946A-33	Sequence 33, Appl1
42	36	87.8	7	10	US-09-847-946A-37	Sequence 37, Appl1
43	36	87.8	8	10	US-09-847-946A-30	Sequence 30, Appl1
44	36	87.8	8	10	US-09-847-946A-38	Sequence 38, Appl1
45	36	87.8	9	10	US-09-847-946A-29	Sequence 29, Appl1

ALIGNMENTS

RESULT 1  
US-09-847-940B-17  
Sequence 17, Application US/09847940B  
Patent No. US2002015600A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-117CP  
CURRENT APPLICATION NUMBER: US/09/847,940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 17  
LENGTH: 6  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD mutants  
US-09-847-940B-17

Query Match 100.0%; Score 41; DB 9; Length 6;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 LDMEWL 6  
DB 1 LDMEWL 6  
RESULT 2  
US-09-847-946A-17  
Sequence 17, Application US/09847946A  
Patent No. US2003005499A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sanjay
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PFI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-17
```

```
Query Match          100.0%; Score 41; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWEML 6
   |||||
DB 1 LDWEML 6
```

```

RESULT 3
US-09-847-946A-45
; Sequence 45, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sanjay
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PFI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-45
```

```
Query Match          100.0%; Score 41; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWEML 6
   |||||
DB 1 LDWEML 6
```

```

RESULT 4
US-09-847-946A-117
; Sequence 117, Application US/09847946A
; Publication No. US20030054999A1
```

```

; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sanjay
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PFI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 117
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
US-09-847-946A-117
```

```
Query Match          100.0%; Score 41; DB 10; Length 6;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWEML 6
   |||||
DB 1 LDWEML 6
```

```

RESULT 5
US-09-847-946A-121
; Sequence 121, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sanjay
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PFI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 121
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding
; OTHER INFORMATION: sequence
US-09-847-946A-121
```

```
Query Match          100.0%; Score 41; DB 10; Length 7;
Best Local Similarity 100.0%; Pred. No. 9.5e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 LDWEML 6
   |||||
DB 1 LDWEML 6
```

```

RESULT 6
```

US-09-847-946A-114

; Sequence 114, Application US/09847946A  
; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findele, Mark A

; APPLICANT: Phillips, Kathryn

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; CURRENT FILING DATE: 2001-05-02

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 114

; LENGTH: 8

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-114

Query Match 100.0%; Score 41; DB 10; Length 8;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWEWL 6

Db 3 LDWEWL 8

RESULT 7

US-09-847-946A-122

; Sequence 122, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findele, Mark A

; APPLICANT: Phillips, Kathryn

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; CURRENT FILING DATE: 2001-05-02

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 122

; LENGTH: 8

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-122

Query Match 100.0%; Score 41; DB 10; Length 8;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWEWL 6

Db 1 LDWEWL 6

RESULT 8

US-09-847-946A-113

; Sequence 113, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findele, Mark A

; APPLICANT: Phillips, Kathryn

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; CURRENT FILING DATE: 2001-05-02

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 113

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-113

Query Match 100.0%; Score 41; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDWEWL 6

Db 1 LDWEWL 6

RESULT 9

US-09-847-946A-116

; Sequence 116, Application US/09847946A

; Publication No. US20030054999A1

; GENERAL INFORMATION:

; APPLICANT: May, Michael J

; APPLICANT: Ghosh, Sankar

; APPLICANT: Findele, Mark A

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

; FILE REFERENCE: PPI-119

; CURRENT APPLICATION NUMBER: US/09/847,946A

; CURRENT FILING DATE: 2001-05-02

; PRIOR FILING DATE: 2000-05-02

; PRIOR APPLICATION NUMBER: 60/201,261

; PRIOR FILING DATE: 2000-08-22

; NUMBER OF SEQ ID NOS: 160

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 116

; LENGTH: 9

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding

; OTHER INFORMATION: sequence

US-09-847-946A-116

Query Match 100.0%; Score 41; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMEWL 6  
| | | | |  
Db 1 LDMEWL 6

## RESULT 10

US-09-847-946A-119  
; Sequence 119, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar A  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 119  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-119

Query Match 100.0%; Score 41; DB 10; Length 9;  
Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMEWL 6  
| | | | |  
Db 3 LDMEWL 8

## RESULT 11

US-09-847-946A-120  
; Sequence 120, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 120  
; LENGTH: 9  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-120

Query Match 100.0%; Score 41; DB 10; Length 9;

Best Local Similarity 100.0%; Pred. No. 9.5e+05;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 LDMEWL 6  
| | | | |  
Db 2 LDMEWL 7

## RESULT 12

US-09-847-946A-115  
; Sequence 115, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar A  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 115  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-115

Query Match 100.0%; Score 41; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LDMEWL 6  
| | | | |  
Db 2 LDMEWL 7

## RESULT 13

US-09-847-946A-118  
; Sequence 118, Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Findeis, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; CURRENT FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 118  
; LENGTH: 10  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:NEMO binding  
US-09-847-946A-118

US-09-847-946A-118

Query Match 100.0%; Score 41; DB 10; Length 10;  
Best Local Similarity 100.0%; Pred. No. 17;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMEWL 6  
Db 3 LDMEWL 8

RESULT 14

US-09-847-946A-112  
; Sequence 112; Application US/09847946A  
; Publication No. US20030054999A1  
; GENERAL INFORMATION:  
; APPLICANT: May, Michael J  
; APPLICANT: Ghosh, Sankar  
; APPLICANT: Pindels, Mark A  
; APPLICANT: Phillips, Kathryn  
; APPLICANT: Hannig, Gerhard  
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
; FILE REFERENCE: PPI-119  
; CURRENT APPLICATION NUMBER: US/09/847,946A  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: 60/201,261  
; PRIOR FILING DATE: 2000-05-02  
; PRIOR APPLICATION NUMBER: 09/643,260  
; PRIOR FILING DATE: 2000-08-22  
; NUMBER OF SEQ ID NOS: 160  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 112  
; LENGTH: 11  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: NEMO binding  
; OTHER INFORMATION: sequence  
US-09-847-946A-112

Query Match 100.0%; Score 41; DB 10; Length 11;  
Best Local Similarity 100.0%; Pred. No. 19;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMEWL 6  
Db 3 LDMEWL 8

RESULT 15

US-10-424-599-153703  
; Sequence 153703; Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J  
; APPLICANT: Kovalic, David K  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(5323)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 153703  
; LENGTH: 85  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_109817C.1.pcp  
US-10-424-599-153703

Query Match 95.1%; Score 39; DB 12; Length 85;

Best Local Similarity 83.3%; Pred. No. 1.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 LDMEWL 6  
Db 80 LDMEWL 85

Search completed: March 17, 2004, 18:45:32  
Job time: 22.6711 secs.

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Comphen Ltd.

# OM protein - protein search, using sw model

Run on: March 17, 2004, 18:31:46 ; Search time 101.132 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-18

Perfect score: 162

Sequence: 1 DROIKIWFQNRKMKKTALDMSWLQTE 28

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications, AA:\*

1: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB.pep:\*

2: /cgn2\_6/ptodata/1/pubppa/PTCT\_NEW\_PUB.pep:\*

3: /cgn2\_6/ptodata/1/pubppa/US06\_NEW\_PUB.pep:\*

4: /cgn2\_6/ptodata/1/pubppa/US06\_PUBCOMB.pep:\*

5: /cgn2\_6/ptodata/1/pubppa/US07\_NEW\_PUB.pep:\*

6: /cgn2\_6/ptodata/1/pubppa/PTCTUS\_PUBCOMB.pep:\*

7: /cgn2\_6/ptodata/1/pubppa/US08\_NEW\_PUB.pep:\*

8: /cgn2\_6/ptodata/1/pubppa/US08\_PUBCOMB.pep:\*

9: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep:\*

10: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep:\*

11: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*

12: /cgn2\_6/ptodata/1/pubppa/US10\_NEW\_PUB.pep:\*

13: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*

14: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*

15: /cgn2\_6/ptodata/1/pubppa/US10\_PUBCOMB.pep:\*

16: /cgn2\_6/ptodata/1/pubppa/US10\_NEW\_PUB.pep:\*

17: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB.pep:\*

18: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB.pep:\*

## SUMMARIES

Result No.	Score	Query Length	ID	Description
1	162	100.0	28 9 US-09-847-940B-18	Sequence 18, Appl
2	162	100.0	28 10 US-09-847-946A-18	Sequence 18, Appl
3	134	82.7	28 9 US-09-847-940B-19	Sequence 19, Appl
4	134	82.7	28 10 US-09-847-946A-19	Sequence 19, Appl
5	105	64.8	18 10 US-09-847-946A-131	Sequence 131, Appl
6	101	62.3	36 9 US-09-731-023A-12	Sequence 12, Appl
7	101	62.3	36 14 US-10-358-365-12	Sequence 12, Appl
8	98	60.5	17 14 US-10-229-915-11	Sequence 11, Appl
9	97	59.3	34 14 US-10-161-499-79	Sequence 79, Appl
10	96	59.3	26 14 US-10-097-175-101	Sequence 101, Appl
11	95	58.6	21 8 US-08-610-320A-11	Sequence 11, Appl
12	95	58.6	21 9 US-09-150-623-11	Sequence 11, Appl
13	94	58.0	27 12 US-10-432-291-4	Sequence 4, Appl
14	94	58.0	30 14 US-10-188-947-11	Sequence 11, Appl
15	94	58.0	64 14 US-10-118-079-44	Sequence 44, Appl

16 94 58.0 217 12 US-10-097-105-1561 Sequence 1561, Ap

17 94 58.0 217 14 US-10-097-140-129 Sequence 129, Ap

18 94 58.0 233 15 US-10-420-940-4 Sequence 4, Appl

19 94 58.0 269 15 US-10-116-375-190 Sequence 190, Ap

20 94 58.0 295 14 US-10-118-079-4 Sequence 4, Appl

21 93.5 57.7 36 9 US-09-731-023A-11 Sequence 11, Appl

22 93.5 57.7 36 14 US-10-358-365-11 Sequence 11, Appl

23 93 57.4 28 15 US-10-369-226-50 Sequence 50, Appl

24 93 57.4 22 9 US-09-214-371-9 Sequence 9, Appl

25 93 57.4 115 9 US-09-925-299-1169 Sequence 1169, Ap

26 93 57.4 115 10 US-09-925-299-1169 Sequence 1169, Ap

27 92 56.8 16 8 US-08-610-230A-9 Sequence 9, Appl

28 92 56.8 16 9 US-09-214-371-43 Sequence 43, Appl

29 92 56.8 16 9 US-09-780-070-38 Sequence 38, Appl

30 92 56.8 16 9 US-09-150-623-9 Sequence 9, Appl

31 92 56.8 16 9 US-09-731-023A-10 Sequence 10, Appl

32 92 56.8 16 9 US-09-854-204-1 Sequence 1, Appl

33 92 56.8 16 9 US-09-900-147-8 Sequence 8, Appl

34 92 56.8 16 9 US-09-792-480-29 Sequence 29, Appl

35 92 56.8 16 9 US-09-785-802A-2 Sequence 2, Appl

36 92 56.8 16 9 US-09-785-802A-5 Sequence 5, Appl

37 92 56.8 16 9 US-09-902-432-32 Sequence 32, Appl

38 92 56.8 16 9 US-09-953-031A-10 Sequence 10, Appl

39 92 56.8 16 9 US-09-981-286A-3 Sequence 3, Appl

40 92 56.8 16 10 US-09-962-967A-6 Sequence 6, Appl

41 92 56.8 16 10 US-09-912-414-6 Sequence 6, Appl

42 92 56.8 16 10 US-09-775-052-54 Sequence 54, Appl

43 92 56.8 16 10 US-09-295-189-4 Sequence 4, Appl

44 92 56.8 16 10 US-09-965-876A-1 Sequence 1, Appl

45 92 56.8 16 11 US-09-933-780C-2 Sequence 2, Appl

## ALIGNMENTS

RESULT 1

US-09-847-940B-18

Sequence 18, Application US/09847940B

Patent No. US2002015600A1

GENERAL INFORMATION:

APPLICANT: May, Michael J.

TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF

FILE REFERENCE: PRT-117CP

CURRENT FILING DATE: 2001-05-02

PRIOR APPLICATION NUMBER: 09/643,260

PRIOR FILING DATE: 2000-08-22

NUMBER OF SEQ ID NOS: 27

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 18

LENGTH: 28

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURES:

OTHER INFORMATION: Description of Artificial Sequence: NBD peptides

US-09-847-940B-18

Query Match 100.0%; Score 162; DB 9; Length 28;

Best Local Similarity 100.0%; Pred. No. 4e-13; 0; Mismatches 0; Gaps 0;

Matches 28; Conservative 0; Indels 0; Gaps 0;

Qy 1 DROIKIWFQNRKMKKTALDMSWLQTE 28

Db 1 DROIKIWFQNRKMKKTALDMSWLQTE 28

RESULT 2

US-09-847-946A-18

Sequence 18, Application US/09847946A

Publication No. US20030054999A1

GENERAL INFORMATION:

APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-18
```

```

Query Match          100.0%; Score 162; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 4e-13;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 1 DROIKIFONRRMKKKTALDWSWLTQTE 28
    |||||
DB 1 DROIKIFONRRMKKKTALDWSWLTQTE 28
```

```

RESULT 3
US-09-847-940B-19
; Sequence 19, Application US/09847940B
; Patent No. US2002015600A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J.
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-117CP
; CURRENT APPLICATION NUMBER: US/09/847,940B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptides
US-09-847-940B-19
```

```

Query Match          82.7%; Score 134; DB 9; Length 28;
Best Local Similarity 92.9%; Pred. No. 1.1e-09;
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```

QY 1 DROIKIFONRRMKKKTALDWSWLTQTE 28
    |||||
DB 1 DROIKIFONRRMKKKTALDWSWLTQTE 28
```

```

RESULT 4
US-09-847-946A-19
; Sequence 19, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
```

```

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-19
```

```

Query Match          82.7%; Score 134; DB 10; Length 28;
Best Local Similarity 92.9%; Pred. No. 1.1e-09;
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
```

```

QY 1 DROIKIFONRRMKKKTALDWSWLTQTE 28
    |||||
DB 1 DROIKIFONRRMKKKTALDWSWLTQTE 28
```

```

RESULT 5
US-09-847-946A-131
; Sequence 131, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findels, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 131
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequence:anti-inflammatory compound
US-09-847-946A-131
```

```

Query Match          64.8%; Score 105; DB 10; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.6e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```

QY 11 RRMKKTALDWSWLTQTE 28
    |||||
DB 1 RRMKKTALDWSWLTQTE 18
```

```

RESULT 6
US-09-731-023A-12
; Sequence 12, Application US/09731023A
; Patent No. US20020077283A1
; GENERAL INFORMATION:
; APPLICANT: Sesaa, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
```

```

; CURRENT APPLICATION NUMBER: US/09/731,023A
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/231,327
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
US-09-731-023A-12

Query Match          62.3%; Score 101; DB 9; Length 36;
Best Local Similarity 69.2%; Pred. No. 1.5e-05;
Matches 18; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 ROIKIMFQNRMRMKKKTALDMSWLOT 27
DB 1 ROIKIMFQNRMRMKKKGIDKAFPTT 26

RESULT 7
US-10-358-365-12
; Sequence 12, Application US/10358365
; Publication No. US20030165510A1
; GENERAL INFORMATION:
; APPLICANT: Seesee, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
; CURRENT APPLICATION NUMBER: US/10/358,365
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: US 09/731,023
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/231,327
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
US-10-358-365-12

Query Match          62.3%; Score 101; DB 14; Length 36;
Best Local Similarity 69.2%; Pred. No. 1.5e-05;
Matches 18; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 ROIKIMFQNRMRMKKKTALDMSWLOT 27
DB 1 ROIKIMFQNRMRMKKKGIDKAFPTT 26

RESULT 8
US-10-229-915-1
; Sequence 1, Application US/10229915
; Publication No. US20030083262A1
; GENERAL INFORMATION:
; APPLICANT: Lazarus, Douglas
; APPLICANT: Hamid, Gerhard
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: PPI-127
; CURRENT APPLICATION NUMBER: US/10/229,915
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: US 60/316,328
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 39
; ORGANISM: Artificial Sequence
```

```

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: anti-inflammatory compound
US-10-229-915-1

Query Match          60.5%; Score 98; DB 14; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.8e-05;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DROIKIMFQNRMRMKK 17
DB 1 DROIKIMFQNRMRMKK 17

RESULT 9
US-10-161-499-79
; Sequence 79, Application US/10161499
; Publication No. US20030044427A1
; GENERAL INFORMATION:
; APPLICANT: Howley, Peter M.
; APPLICANT: Benson, John
; APPLICANT: Kasukawa, Hiroaki
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
; TITLE OF INVENTION: PAPILLOMAVIRUS-INFECTED CELLS
; FILE REFERENCE: HMV-041, 01
; CURRENT APPLICATION NUMBER: US/10/161,499
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: US/09/347,504
; PRIOR FILING DATE: 1999-07-02
; NUMBER OF SEQ ID NOS: 79
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 79
; LENGTH: 34
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-161-499-79

Query Match          59.9%; Score 97; DB 14; Length 34;
Best Local Similarity 64.3%; Pred. No. 4.4e-05;
Matches 18; Conservative 3; Mismatches 5; Indels 2; Gaps 1;

QY 1 DROIKIMFQNRMRMKKKTALDMSWLOT 28
DB 1 EROIKIMFQNRMRMKKKG--WKIMBLE 26

RESULT 10
US-10-097-175-101
; Sequence 101, Application US/10097175
; Publication No. US20030045680A1
; GENERAL INFORMATION:
; APPLICANT: JOYAL, JOHN L.
; APPLICANT: MUELLER, JOHN
; APPLICANT: OZA, VIBHA B.
; APPLICANT: PINDEIS, MARK A.
; TITLE OF INVENTION: PEPTIDIC MODULATORS OF THE ANDROGEN RECEPTOR
; FILE REFERENCE: PPI-110
; CURRENT APPLICATION NUMBER: US/10/097,175
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/275,240
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: 60/352,399
; PRIOR FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
```



```

Query Match          58.6%; Score 95; DB 8; Length 21;
Best Local Similarity 94.4%; Pred. No. 5e-05;
Matches 17, Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 ROIKWIFQNRBMKCKKTA 19
        |||||||
Db       1 ROIKWIFQNRBMKCKKTA 18

RESULT 12
US-09-150-623-11
; Sequence 11, Application US/09150623
; Patent No. US20020044931A1
; GENERAL INFORMATION:
; APPLICANT: Troy, Carol M.
; TITLE OF INVENTION: COMPOUNDS WHICH PREVENT NEURONAL CELL
; DEATH AND USES THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESSES:
;

```

```

RESULT 13
US-10-432-291-4
; Sequence 4, Application US/10432291
; Publication No. US20040029281A1
; GENERAL INFORMATION:
; APPLICANT: Centre National de la Recherche Scientifique (CNRS)
; APPLICANT: Joliot, Alain
; APPLICANT: Dupont, Edmond
; APPLICANT: Frochiantz, Alain
; TITLE OF INVENTION: Carrier vectors through an epithelium with tight junctions
; FILE REFERENCE: 45636-5067-US
; CURRENT APPLICATION NUMBER: US/10/432,291
; CURRENT FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: PCT/FR01/03631
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: FR 00/14945
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 27
; TYPE: PR1
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: nuclear export and penetratin sequence for transport vectors
US-10-432-291-4
Query Match 58.0%; Score 94; DB 12; Length 27;
Best Local Similarity 94.1%; Pred. No. 8.3e-05;
Matches 16; Conservative 1; Mismatches 0; Gaps 0;

```

Qy 1 DROIKIWFORRMKKWK 17  
: |||||  
Db 11 EROIKIWFORRMKKWK 27

## RESULT 14

US-10-188-947-11  
; Sequence 11, Application US/10188947  
; Publication No. US20030023953A1  
; GENERAL INFORMATION:  
; APPLICANT: MEDHITOV, Ruslan  
; APPLICANT: HORNG, Tiffany  
; APPLICANT: BARTON, Gregory  
; TITLE OF INVENTION: TOLL/INTERLEUKIN-1 RECEPTOR ADAPTER PROTEIN (TIRAP)  
; FILE REFERENCE: 044574-5101US  
; CURRENT APPLICATION NUMBER: US/10/188,947  
; CURRENT FILING DATE: 2002-07-03  
; PRIOR APPLICATION NUMBER: 60/289,738  
; PRIOR FILING DATE: 2001-05-09  
; PRIOR APPLICATION NUMBER: 60/289,815  
; PRIOR FILING DATE: 2001-05-09  
; PRIOR APPLICATION NUMBER: 60/289,866  
; PRIOR FILING DATE: 2001-05-14  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 11  
; LENGTH: 30  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: TIRAP/Antennapedia fusion protein  
; NAME/KEY: MISC\_FEATURE  
; OTHER INFORMATION: TIRAP/Antennapedia fusion protein  
US-10-188-947-11

Query Match 58.0%; Score 94; DB 14; Length 30;  
Best Local Similarity 89.5%; Pred. No. 9.1e-05;

Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 ROIKIWFORRMKKKTAL 20  
: |||||  
Db 1 ROIKIWFORRMKKKQL 19

## RESULT 15

US-10-118-079-44  
; Sequence 44, Application US/10118079  
; Publication No. US20030103957A1  
; GENERAL INFORMATION:  
; APPLICANT: MCKERRACHER, LISA  
; TITLE OF INVENTION: FUSION PROTEINS  
; FILE REFERENCE: 06746-004-US-03  
; CURRENT APPLICATION NUMBER: US/10/118,079  
; CURRENT FILING DATE: 2002-04-09  
; PRIOR APPLICATION NUMBER: CA 2,367,636  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: CA 2,362,004  
; PRIOR FILING DATE: 2001-11-13  
; PRIOR APPLICATION NUMBER: CA 2,342,970  
; PRIOR FILING DATE: 2001-04-12  
; NUMBER OF SEQ ID NOS: 48  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 44  
; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Amino acid sequence of Antennapedia from C3APL  
US-10-118-079-44

Query Match 58.0%; Score 94; DB 14; Length 64;  
Best Local Similarity 94.1%; Pred. No. 0.00018;

Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 DROIKIWFORRMKKWK 17  
: |||||  
Db 46 EROIKIWFORRMKKWK 62

Search completed: March 17, 2004, 18:45:32  
Job time: 101.132 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: March 17, 2004, 18:31:46 ; Search time 101.132 Seconds  
(without alignments)  
71.275 Million cell updates/sec

Title: US-09-643-260-19

Perfect score: 148  
Sequence: 1 DRQIKIWFQNRMRMKKTALDASALQTE 28

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1045404 seqs, 257433775 residues

Total number of hits satisfying chosen parameters: 1045404

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubppa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubppa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubppa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubppa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubppa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubppa/PCTUS\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/1/pubppa/US08\_NEW\_PUB.pep.\*
- 8: /cgn2\_6/ptodata/1/pubppa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep.\*
- 10: /cgn2\_6/ptodata/1/pubppa/US09\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubppa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubppa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubppa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubppa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubppa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubppa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubppa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubppa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	148	100.0	28	9	US-09-847-940B-19
2	148	100.0	28	10	US-09-847-946A-19
3	134	90.5	28	9	US-09-847-940B-18
4	134	90.5	28	10	US-09-847-946A-18
5	101	68.2	26	14	US-10-097-175-101
6	100	67.6	36	9	US-09-731-023A-12
7	100	67.6	36	14	US-10-358-365-12
8	98	66.2	17	14	US-10-229-915-1
9	95	64.2	21	8	US-08-610-220A-11
10	95	64.2	21	9	US-09-150-623-11
11	95	64.2	30	14	US-10-188-947-11
12	94.5	63.9	26	15	US-10-116-275-190
13	94	63.5	27	12	US-10-432-291-4
14	94	63.5	34	14	US-10-161-499-79
15	94	63.5	36	9	US-09-731-023A-11

16	94	63.5	36	14	US-10-358-365-11	Sequence 11, Appl
17 <td>94 <td>63.5 <td>64 <td>14 <td>US-10-118-079-44</td> <td>Sequence 44, Appl</td> </td></td></td></td>	94 <td>63.5 <td>64 <td>14 <td>US-10-118-079-44</td> <td>Sequence 44, Appl</td> </td></td></td>	63.5 <td>64 <td>14 <td>US-10-118-079-44</td> <td>Sequence 44, Appl</td> </td></td>	64 <td>14 <td>US-10-118-079-44</td> <td>Sequence 44, Appl</td> </td>	14 <td>US-10-118-079-44</td> <td>Sequence 44, Appl</td>	US-10-118-079-44	Sequence 44, Appl
18 <td>94 <td>63.5 <td>217</td> <td>12</td> <td>US-10-097-105-1561</td> <td>Sequence 1561, Ap</td> </td></td>	94 <td>63.5 <td>217</td> <td>12</td> <td>US-10-097-105-1561</td> <td>Sequence 1561, Ap</td> </td>	63.5 <td>217</td> <td>12</td> <td>US-10-097-105-1561</td> <td>Sequence 1561, Ap</td>	217	12	US-10-097-105-1561	Sequence 1561, Ap
19 <td>94 <td>63.5 <td>217</td> <td>14</td> <td>US-10-097-340-129</td> <td>Sequence 129, App</td> </td></td>	94 <td>63.5 <td>217</td> <td>14</td> <td>US-10-097-340-129</td> <td>Sequence 129, App</td> </td>	63.5 <td>217</td> <td>14</td> <td>US-10-097-340-129</td> <td>Sequence 129, App</td>	217	14	US-10-097-340-129	Sequence 129, App
20 <td>94 <td>63.5 <td>233</td> <td>15</td> <td>US-10-420-940-4</td> <td>Sequence 4, Appl</td> </td></td>	94 <td>63.5 <td>233</td> <td>15</td> <td>US-10-420-940-4</td> <td>Sequence 4, Appl</td> </td>	63.5 <td>233</td> <td>15</td> <td>US-10-420-940-4</td> <td>Sequence 4, Appl</td>	233	15	US-10-420-940-4	Sequence 4, Appl
21 <td>94 <td>63.5 <td>295</td> <td>14</td> <td>US-10-118-079-4</td> <td>Sequence 40, Appl</td> </td></td>	94 <td>63.5 <td>295</td> <td>14</td> <td>US-10-118-079-4</td> <td>Sequence 40, Appl</td> </td>	63.5 <td>295</td> <td>14</td> <td>US-10-118-079-4</td> <td>Sequence 40, Appl</td>	295	14	US-10-118-079-4	Sequence 40, Appl
22 <td>93 <td>62.8 <td>22</td> <td>15</td> <td>US-10-359-226-50</td> <td>Sequence 50, Appl</td> </td></td>	93 <td>62.8 <td>22</td> <td>15</td> <td>US-10-359-226-50</td> <td>Sequence 50, Appl</td> </td>	62.8 <td>22</td> <td>15</td> <td>US-10-359-226-50</td> <td>Sequence 50, Appl</td>	22	15	US-10-359-226-50	Sequence 50, Appl
23 <td>93 <td>62.8 <td>28</td> <td>9</td> <td>US-09-214-371-9</td> <td>Sequence 9, Appl</td> </td></td>	93 <td>62.8 <td>28</td> <td>9</td> <td>US-09-214-371-9</td> <td>Sequence 9, Appl</td> </td>	62.8 <td>28</td> <td>9</td> <td>US-09-214-371-9</td> <td>Sequence 9, Appl</td>	28	9	US-09-214-371-9	Sequence 9, Appl
24 <td>93 <td>62.8 <td>115</td> <td>9</td> <td>US-09-925-299-1169</td> <td>Sequence 1169, Ap</td> </td></td>	93 <td>62.8 <td>115</td> <td>9</td> <td>US-09-925-299-1169</td> <td>Sequence 1169, Ap</td> </td>	62.8 <td>115</td> <td>9</td> <td>US-09-925-299-1169</td> <td>Sequence 1169, Ap</td>	115	9	US-09-925-299-1169	Sequence 1169, Ap
25 <td>93 <td>62.8 <td>115</td> <td>10</td> <td>US-09-925-299-1169</td> <td>Sequence 1169, Ap</td> </td></td>	93 <td>62.8 <td>115</td> <td>10</td> <td>US-09-925-299-1169</td> <td>Sequence 1169, Ap</td> </td>	62.8 <td>115</td> <td>10</td> <td>US-09-925-299-1169</td> <td>Sequence 1169, Ap</td>	115	10	US-09-925-299-1169	Sequence 1169, Ap
26 <td>93 <td>62.8 <td>257</td> <td>14</td> <td>US-10-118-079-6</td> <td>Sequence 6, Appl</td> </td></td>	93 <td>62.8 <td>257</td> <td>14</td> <td>US-10-118-079-6</td> <td>Sequence 6, Appl</td> </td>	62.8 <td>257</td> <td>14</td> <td>US-10-118-079-6</td> <td>Sequence 6, Appl</td>	257	14	US-10-118-079-6	Sequence 6, Appl
27 <td>92 <td>62.2</td> <td>16</td> <td>8</td> <td>US-08-610-220A-9</td> <td>Sequence 9, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>8</td> <td>US-08-610-220A-9</td> <td>Sequence 9, Appl</td>	62.2	16	8	US-08-610-220A-9	Sequence 9, Appl
28 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-214-371-43</td> <td>Sequence 43, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-214-371-43</td> <td>Sequence 43, Appl</td>	62.2	16	9	US-09-214-371-43	Sequence 43, Appl
29 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-780-070-38</td> <td>Sequence 38, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-780-070-38</td> <td>Sequence 38, Appl</td>	62.2	16	9	US-09-780-070-38	Sequence 38, Appl
30 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-150-623-9</td> <td>Sequence 9, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-150-623-9</td> <td>Sequence 9, Appl</td>	62.2	16	9	US-09-150-623-9	Sequence 9, Appl
31 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-731-023A-10</td> <td>Sequence 10, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-731-023A-10</td> <td>Sequence 10, Appl</td>	62.2	16	9	US-09-731-023A-10	Sequence 10, Appl
32 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-854-204-1</td> <td>Sequence 1, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-854-204-1</td> <td>Sequence 1, Appl</td>	62.2	16	9	US-09-854-204-1	Sequence 1, Appl
33 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-900-147-8</td> <td>Sequence 8, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-900-147-8</td> <td>Sequence 8, Appl</td>	62.2	16	9	US-09-900-147-8	Sequence 8, Appl
34 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-792-480-29</td> <td>Sequence 29, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-792-480-29</td> <td>Sequence 29, Appl</td>	62.2	16	9	US-09-792-480-29	Sequence 29, Appl
35 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-785-802A-5</td> <td>Sequence 5, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-785-802A-5</td> <td>Sequence 5, Appl</td>	62.2	16	9	US-09-785-802A-5	Sequence 5, Appl
36 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-785-802A-2</td> <td>Sequence 2, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-785-802A-2</td> <td>Sequence 2, Appl</td>	62.2	16	9	US-09-785-802A-2	Sequence 2, Appl
37 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-902-432-32</td> <td>Sequence 32, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-902-432-32</td> <td>Sequence 32, Appl</td>	62.2	16	9	US-09-902-432-32	Sequence 32, Appl
38 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-981-286A-3</td> <td>Sequence 3, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-981-286A-3</td> <td>Sequence 3, Appl</td>	62.2	16	9	US-09-981-286A-3	Sequence 3, Appl
39 <td>92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-953-031A-10</td> <td>Sequence 10, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>9</td> <td>US-09-953-031A-10</td> <td>Sequence 10, Appl</td>	62.2	16	9	US-09-953-031A-10	Sequence 10, Appl
40 <td>92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-962-967A-6</td> <td>Sequence 6, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-962-967A-6</td> <td>Sequence 6, Appl</td>	62.2	16	10	US-09-962-967A-6	Sequence 6, Appl
41 <td>92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-912-414-6</td> <td>Sequence 4, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-912-414-6</td> <td>Sequence 4, Appl</td>	62.2	16	10	US-09-912-414-6	Sequence 4, Appl
42 <td>92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-775-052-54</td> <td>Sequence 54, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-775-052-54</td> <td>Sequence 54, Appl</td>	62.2	16	10	US-09-775-052-54	Sequence 54, Appl
43 <td>92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-295-189-4</td> <td>Sequence 4, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-295-189-4</td> <td>Sequence 4, Appl</td>	62.2	16	10	US-09-295-189-4	Sequence 4, Appl
44 <td>92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-965-876A-1</td> <td>Sequence 1, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>10</td> <td>US-09-965-876A-1</td> <td>Sequence 1, Appl</td>	62.2	16	10	US-09-965-876A-1	Sequence 1, Appl
45 <td>92 <td>62.2</td> <td>16</td> <td>11</td> <td>US-09-933-780C-2</td> <td>Sequence 2, Appl</td> </td>	92 <td>62.2</td> <td>16</td> <td>11</td> <td>US-09-933-780C-2</td> <td>Sequence 2, Appl</td>	62.2	16	11	US-09-933-780C-2	Sequence 2, Appl

#### ALIGNMENTS

RESULT 1  
US-09-847-940B-19  
Sequence 19, Application US/09847940B  
Patent No. US2002015600A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J.  
TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF  
FILE REFERENCE: PPI-117CP  
CURRENT APPLICATION NUMBER: US/09/847, 940B  
CURRENT FILING DATE: 2001-05-02  
PRIOR APPLICATION NUMBER: 09/643,260  
PRIOR FILING DATE: 2000-08-22  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 19  
LENGTH: 28  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: NBD peptides  
US-09-847-940B-19

Query Match 100.0%; Score 148; DB 9; Length 28;  
Best Local Similarity 100.0%; Pred. 8.8e-14;  
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DRQIKIWFQNRMRMKKTALDASALQTE 28  
Db 1 DRQIKIWFQNRMRMKKTALDASALQTE 28

RESULT 2  
US-09-847-946A-19  
Sequence 19, Application US/09847946A  
Patent No. US2003005499A1  
GENERAL INFORMATION:  
APPLICANT: May, Michael J

```

; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hennig, Gerhard
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-19

```

```

Query Match          100.0%; Score 148; DB 10; Length 28;
Best Local Similarity 100.0%; Pred. No. 8,8e-14;
Matches 28; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 1 DROIKIFQNRMRKMKKTALDASALQTE 28
    |||||
Db 1 DROIKIFQNRMRKMKKTALDASALQTE 28

```

```

RESULT 3
US-09-847-940B-18
; Sequence 18, Application US/09847940B
; Patent No. US20020156000A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J.
; APPLICANT: Ghosh, Sankar
; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-117CP
; CURRENT APPLICATION NUMBER: US/09/847,940B
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptides
US-09-847-940B-18

```

```

Query Match          90.5%; Score 134; DB 9; Length 28;
Best Local Similarity 92.9%; Pred. No. 8e-12;
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1 DROIKIFQNRMRKMKKTALDASALQTE 28
    |||||
Db 1 DROIKIFQNRMRKMKKTALDASALQTE 28

```

```

RESULT 4
US-09-847-946A-18
; Sequence 18, Application US/09847946A
; Publication No. US20030054999A1
; GENERAL INFORMATION:
; APPLICANT: May, Michael J
; APPLICANT: Ghosh, Sankar
; APPLICANT: Findeis, Mark A
; APPLICANT: Phillips, Kathryn
; APPLICANT: Hennig, Gerhard

```

```

; TITLE OF INVENTION: ANTI-INFLAMMATORY COMPOUNDS AND USES THEREOF
; FILE REFERENCE: PPI-119
; CURRENT APPLICATION NUMBER: US/09/847,946A
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: 60/201,261
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: 09/643,260
; PRIOR FILING DATE: 2000-08-22
; NUMBER OF SEQ ID NOS: 160
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:NBD peptide
US-09-847-946A-18

```

```

Query Match          90.5%; Score 134; DB 10; Length 28;
Best Local Similarity 92.9%; Pred. No. 8e-12;
Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1 DROIKIFQNRMRKMKKTALDASALQTE 28
    |||||
Db 1 DROIKIFQNRMRKMKKTALDASALQTE 28

```

```

RESULT 5
US-10-097-175-101
; Sequence 101, Application US/10097175
; Publication No. US20030045680A1
; GENERAL INFORMATION:
; APPLICANT: JOYAL, JOHN L.
; APPLICANT: MUELLER, JOHN
; APPLICANT: OZA, VIBHA B.
; APPLICANT: FINDEIS, MARK A.
; TITLE OF INVENTION: PEPTIDIC MODULATORS OF THE ANDROGEN RECEPTOR
; FILE REFERENCE: PPI-110
; CURRENT APPLICATION NUMBER: US/10/097,175
; PRIOR FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/275,240
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: 60/352,399
; PRIOR FILING DATE: 2002-01-28
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Androgen Receptor Binding Polypeptides
US-10-097-175-101

```

```

Query Match          68.2%; Score 101; DB 14; Length 26;
Best Local Similarity 73.9%; Pred. No. 3.2e-07;
Matches 17; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 2 RQIKIFQNRMRKMKKTALDASA 24
    |||||
Db 1 RQIKIFQNRMRKMKKTALDASS 23

```

```

RESULT 6
US-09-731-023A-12
; Sequence 12, Application US/09731023A
; Patent No. US20020077283A1
; GENERAL INFORMATION:
; APPLICANT: Sessa, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
; CURRENT APPLICATION NUMBER: US/09/731,023A
; CURRENT FILING DATE: 2000-12-07

```

```
;; PRIOR APPLICATION NUMBER: US 60/231,327
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 12
;; SOFTWARE: Patent In Ver. 2.1
;; SEQ ID NO 12
;; LENGTH: 36
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence:
;; OTHER INFORMATION: Antennapedia-cav-X fusion peptide
US-09-731-023A-12

Query Match      67.6%; Score 100; DB 9; Length 36;
Best Local Similarity 69.2%; Pred. No. 6e-07;
Matches 18; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy      2 ROIKIWFQNRMRMKKKTALDASALQT 27
Db      1 ROIKIWFQNRMRMKKMGIDKAFPTT 26

RESULT 7
US-10-358-365-12
; Sequence 12, Application US/10358365
; Publication No. US20030165510A1
; GENERAL INFORMATION:
; APPLICANT: Seaga, William
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics
; FILE REFERENCE: 44574-5076-US
; CURRENT APPLICATION NUMBER: US/10/358,365
; CURRENT FILING DATE: 2003-02-04
; PRIOR APPLICATION NUMBER: US 09/731,023
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/231,327
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 12
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: Antennapedia-cav-X fusion peptide
US-10-358-365-12

Query Match      67.6%; Score 100; DB 14; Length 36;
Best Local Similarity 69.2%; Pred. No. 6e-07;
Matches 18; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy      2 ROIKIWFQNRMRMKKKTALDASALQT 27
Db      1 ROIKIWFQNRMRMKKMGIDKAFPTT 26

RESULT 8
US-10-229-915-1
; Sequence 1, Application US/10229915
; Publication No. US20030083262A1
; GENERAL INFORMATION:
; APPLICANT: Lazarus, Douglas
; APPLICANT: Hannig, Gerhard
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY
; TITLE OF INVENTION: DISORDERS
; FILE REFERENCE: PFI-127
; CURRENT APPLICATION NUMBER: US/10/229,915
; CURRENT FILING DATE: 2002-08-27
; PRIOR APPLICATION NUMBER: US 60/316,328
; PRIOR FILING DATE: 2001-08-30
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
```

```
;; LENGTH: 17
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: anti-inflammatory compound
US-10-229-915-1

Query Match      66.2%; Score 98; DB 14; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.5e-07;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 DROIKIWFQNRMRMKK 17
Db      1 DROIKIWFQNRMRMKK 17

RESULT 9
US-08-610-220A-11
; Sequence 11, Application US/08610220A
; Publication No. US2003009638A1
; GENERAL INFORMATION:
; APPLICANT: Troy, Carol M.
; TITLE OF INVENTION: COMPOUNDS WHICH PREVENT NEURONAL CELL
; TITLE OF INVENTION: DEATH AND USES THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/610,220A
; FILING DATE: MAR-04-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 48332/JPW/JML
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-610-220A-11

Query Match      64.2%; Score 95; DB 8; Length 21;
Best Local Similarity 94.4%; Pred. No. 1.8e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      2 ROIKIWFQNRMRMKKTA 19
Db      1 ROIKIWFQNRMRMKKQA 18

RESULT 10
US-09-150-623-11
; Sequence 11, Application US/09150623
; Patent No. US20020044931A1
; GENERAL INFORMATION:
; APPLICANT: Troy, Carol M.
; TITLE OF INVENTION: COMPOUNDS WHICH PREVENT NEURONAL CELL
```

```

; TITLE OF INVENTION: DEATH AND USES THEREOF
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/150,623
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/610,220
; FILING DATE: MAR-04-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 48332/JPM/JML
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-150-623-11

Query Match 64.2%; Score 95; DB 9; Length 21;
Best Local Similarity 94.4%; Pred. No. 1.8e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2 RQIKWFOQRNRRMKKKTA 19
Db 1 RQIKWFOQRNRRMKKKQA 18

RESULT 11
US-10-188-947-11
; Sequence 11, Application US/10188947
; Publication No. US20030023993A1
; GENERAL INFORMATION:
; APPLICANT: MEDHITOV, Ruslan
; APPLICANT: HORNG, Tifany
; APPLICANT: BARTON, Gregory
; TITLE OF INVENTION: TOLL/INTERLEUKIN-1 RECEPTOR ADAPTER PROTEIN (TIRAP)
; FILE REFERENCE: 044574-5101US
; CURRENT APPLICATION NUMBER: US/10/188,947
; PRIOR FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: 60/289,738
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: 60/289,815
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: 60/289,866
; PRIOR FILING DATE: 2001-05-14
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent version 3.1
; SEQ ID NO 11
; LENGTH: 30
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: TIRAP/Antennapedia fusion protein
; NAME/KEY: MISC_FEATURE

```

```

; OTHER INFORMATION: TIRAP/Antennapedia fusion protein
; US-10-188-947-11

Query Match 64.2%; Score 95; DB 14; Length 30;
Best Local Similarity 78.3%; Pred. No. 2.5e-06;
Matches 18; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 2 RQIKWFOQRNRRMKKKTALDASA 24
Db 1 RQIKWFOQRNRRMKKKQLRDAA 23

RESULT 12
US-10-116-275-190
; Sequence 190, Application US/10116275
; Publication No. US20030211476A1
; GENERAL INFORMATION:
; APPLICANT: Elan Pharmaceutical Technology
; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; PRIOR FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: Patent version 3.1
; SEQ ID NO 190
; LENGTH: 269
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-116-275-190

Query Match 63.9%; Score 94.5; DB 15; Length 269;
Best Local Similarity 67.9%; Pred. No. 2.6e-05;
Matches 19; Conservative 3; Mismatches 5; Indels 1; Gaps 1;

Qy 1 DRQIKWFOQRNRRMKKK-TALDASALOT 27
Db 235 ERQIKWFOQRNRRMKKKDKNDLKMSLSLAT 262

RESULT 13
US-10-432-291-4
; Sequence 4, Application US/10432291
; Publication No. US20040029281A1
; GENERAL INFORMATION:
; APPLICANT: Centre National de la Recherche Scientifique (CNRS)
; APPLICANT: Joliet, Alain
; APPLICANT: Dupont, Edmond
; APPLICANT: Prochiantz, Alain
; TITLE OF INVENTION: Carrier vectors through an epithelium with tight junctions
; FILE REFERENCE: 45636-506-US
; CURRENT APPLICATION NUMBER: US/10/432,291
; PRIOR FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: PCT/FR01/03631
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: FR 00/14945
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: Patent version 3.2
; SEQ ID NO 4
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: nuclear export and penetratin sequence for transport vectors
; US-10-432-291-4

Query Match 63.5%; Score 94; DB 12; Length 27;

```

Best Local Similarity 94.1%; Pred. No. 3.1e-06;  
Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Search completed: March 17, 2004, 18:45:33  
Job time : 102.132 secs

Qy 1 DROIKWFOHNRMKKK 17  
:|||||  
Db 11 EROIKWFOHNRMKKK 27

RESULT 14  
US-10-161-499-79

; Sequence 79, Application US/10161499  
; Publication No. US20030044427A1  
; GENERAL INFORMATION:  
; APPLICANT: Howley, Peter M.  
; APPLICANT: Benson, John  
; APPLICANT: Kasukawa, Hiroaki  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING  
; FILE REFERENCE: HMV-041.01  
; CURRENT APPLICATION NUMBER: US/10/161.499  
; CURRENT FILING DATE: 2002-06-03  
; PRIOR APPLICATION NUMBER: US/09/347.504  
; PRIOR FILING DATE: 1999-07-02  
; NUMBER OF SEQ ID NOS: 79  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 79  
; LENGTH: 34  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-161-499-79

Query Match 63.5%; Score 94; DB 14; Length 34;  
Best Local Similarity 94.1%; Pred. No. 4e-06;

Matches 16; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DROIKWFOHNRMKKK 17  
:|||||  
Db 1 EROIKWFOHNRMKKK 17

RESULT 15  
US-09-731-023A-11

; Sequence 11, Application US/09731023A  
; Patent No. US2002007283A1  
; GENERAL INFORMATION:  
; APPLICANT: Seese, William  
; TITLE OF INVENTION: Caveolin Peptides and Their Use as Therapeutics  
; FILE REFERENCE: 44574-5076-US  
; CURRENT APPLICATION NUMBER: US/09/731.023A  
; CURRENT FILING DATE: 2000-12-07  
; PRIOR APPLICATION NUMBER: US 60/231,327  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11  
; LENGTH: 36  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:  
; OTHER INFORMATION: Antennapedia-caveolin-1 scaffolding domain fusion  
; OTHER INFORMATION: peptide  
US-09-731-023A-11

Query Match 63.5%; Score 94; DB 9; Length 36;  
Best Local Similarity 65.4%; Pred. No. 4.2e-06;

Matches 17; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 2 ROIKWFOHNRMKKKALDASALQT 27  
:|||||  
Db 1 ROIKWFOHNRMKKKDGIWKASFTT 26